Performance guarenteed

CD200 Monoclonal Antibody (OX104), APC, eBioscience™

Product Details

| r roddor Details | |
|--------------------------------|--|
| Size | 100 Tests |
| Species Reactivity | Human |
| Published Species | Human |
| Host/Isotype | Mouse / IgG1, kappa |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™ |
| Class | Monoclonal |
| Туре | Antibody |
| Clone | OX104 |
| Conjugate | APC |
| Excitation/Emission Max | 651/660 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_10698161 |
| | |

| Applications | Tested Dilution | Publications |
|-----------------------|---------------------|----------------|
| Flow Cytometry (Flow) | 5 μL (0.25 μg)/test | 4 Publications |

Product Specific Information

Description: The monoclonal antibody OX104 recognizes human CD200 also known as OX2. CD200 is a member of the Ig superfamily with 2 Ig domains, a transmembrane and cytoplasmic domain. CD200 is expressed on resting and activated B cells, a subset of resting and activated T cells, keratinocytes, peripheral and central nerve cells, follicular dendritic cells and ovarian cells. The interaction with CD200R results in macrophage activation (IL-6 production), inhibition of mast cell degranulation along with reduced TNFalpha and IL-13 secretion and overall attenuation of the activation status of lymphocytes. A role has also been suggested in maternal tolerance as expression of CD200 is also present on the trophoblast.

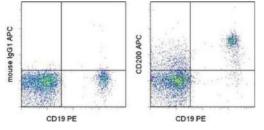
Applications Reported: This OX104 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This OX104 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD200 Monoclonal Antibody (OX104), APC, eBioscience™



CD200 Antibody (17-9200-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD19 PE (Product # 12-0199-80) and 0.25 µg of Mouse IgG1 kappa Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human CD200 APC (right). Cells in the lymphocyte gate were used for analysis.

□ 4 References

Flow Cytometry (4)

| Stem cells (Dayton, Ohio) | Year |
|--|----------|
| Comprehensive Cell Surface Antigen Analysis Identifies Transferrin | 2019 |
| Receptor Protein-1 (CD71) as a Negative Selection Marker for Human | Species |
| Neuronal Cells. | Human |
| Authors: Menon V, Thomas R, Elgueta C, Horl M, Osborn T, Hallett PJ, Bartos M, Isacson O, Pruszak J | Dilution |
| | 1 µg/mL |
| Oncology letters | Year |
| Orbital precursor B-lymphoblastic lymphoma involving the extraocular | 2019 |
| muscles in a 56-year-old male and a review of the literature. | Species |
| "17-9200-42 was used in Flow Cytometry to describe a rare case of orbital precursor B-lymphoblastic lymphoma (B- LBL) in an adult." | Human |
| Authors: Ejstrup R,Mikkelsen LH,Andersen MK,Clasen-Linde E,Gjerdrum LMR,Safavi S,Heegaard S | |

View more Flow references on thermofisher.com

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CD200 Monoclonal Antibody (OX104), APC, eBioscience™

| Product Details | | | | |
|-----------------------|-------------------------------------|----------------|--|--|
| Size | 100 Tests | | | |
| Species reactivity | Human | | | |
| Published species | Human | | | |
| Host / Isotype | Mouse / IgG1, kappa | | | |
| Class | Monoclonal | | | |
| Туре | Antibody | | | |
| Clone | OX104 | | | |
| Conjugate | APC | APC | | |
| Form | Liquid | | | |
| Concentration | 5 µL/Test | | | |
| Purification | Affinity chromatography | | | |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA | | | |
| Contains | 0.09% sodium azide | | | |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! | | | |
| RRID | AB_10698161 | | | |
| Applications | Tested Dilution | Publicotions | | |
| Applications | Tested Dilution | Publications | | |
| Flow Cytometry (Flow) | 5 μL (0.25 μg)/test | 3 Publications | | |

Product Specific Information

Description: The monoclonal antibody OX104 recognizes human CD200 also known as OX2. CD200 is a member of the Ig superfamily with 2 Ig domains, a transmembrane and cytoplasmic domain. CD200 is expressed on resting and activated B cells, a subset of resting and activated T cells, keratinocytes, peripheral and central nerve cells, follicular dendritic cells and ovarian cells. The interaction with CD200R results in macrophage activation (IL-6 production), inhibition of mast cell degranulation along with reduced TNFalpha and IL-13 secretion and overall attenuation of the activation status of lymphocytes. A role has also been suggested in maternal tolerance as expression of CD200 is also present on the trophoblast.

Applications Reported: This OX104 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This OX104 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 μm post-manufacturing filtered.

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Performance guarenteed

CD41a Monoclonal Antibody (HIP8), FITC, eBioscience™

Product Details

| r roddor Details | |
|--------------------------------|---|
| Size | 25 Tests |
| Species Reactivity | Human |
| Published Species | Bacteria, Human |
| Host/Isotype | Mouse / IgG1, kappa |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™ |
| Class | Monoclonal |
| Туре | Antibody |
| Clone | HIP8 |
| Conjugate | FITC |
| Excitation/Emission Max | 498/517 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_10717809 |
| | |

| Applications | Tested Dilution | Publications |
|------------------------------|---------------------|-----------------|
| Immunocytochemistry (ICC/IF) | - | 2 Publications |
| Flow Cytometry (Flow) | 5 µL (0.25 µg)/test | 15 Publications |
| Immunomicroscopy (IM) | - | 1 Publication |

Product Specific Information

Description: The HIP8 monoclonal antibody reacts with the human CD41 molecule, the integrin alphallb also known as platelet GPIIb. CD41 non-covalently associates with integrin beta3 (GPIIIa, CD61) and is expressed by megakaryocytes and platelets. The CD41/CD61 complex is a receptor for fibronectin, fibrinogen, von Willebrand factor, vitronectin and thrombospondin and mediates platelets aggregation. HIP8 blocks platelet aggregation.

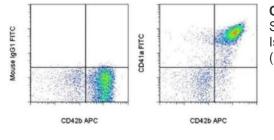
Applications Reported: The HIP8 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This HIP8 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD41a Monoclonal Antibody (HIP8), FITC, eBioscience™



CD41a Antibody (11-0419-41) in Flow

Staining of human platelets with Anti-Human CD42b APC and Mouse IgG1 K Isotype Control FITC (Product # 11-4714-42) (left) or Anti-Human CD41a FITC (right). Total events were used for analysis.

View more figures on thermofisher.com

□ 18 References

Immunocytochemistry (2)

| Research square | Year |
|---|---------------------------------|
| SARS-CoV-2 Receptors are Expressed on Human Platelets and the | 2020 Species Human |
| Effect of Aspirin on Clinical Outcomes in COVID-19 Patients. | |
| "11-0419-42 was used in Immunocytochemistry to suggest that human platelets express ACE2-TMPRSS2 receptor- protease axis for SARS-CoV-2 infection, however aspirin does not prevent thrombosis and death in COVID-19." | |
| Authors: Sahai A,Bhandari R,Koupenova M,Freedman JE,Godwin M,McIntyre T,Chung MK,Iskandar JP,Kamran H, Hariri E,Aggarwal A,Kalra A,Bartholomew JR,McCrae KR,Elbadawi A,Svensson LG,Kapadia S,Cameron SJ | |
| Nature communications | Year |
| The role of platelets in mediating a response to human influenza | 2019 |
| infection. | Species |
| "11-0419 was used in Immunocytochemistry-immunoflourescence to determine if platelet processes are activated during influenza infection." | Human |
| Authors: Koupenova M,Corkrey HA,Vitseva O,Manni G,Pang CJ,Clancy L,Yao C,Rade J,Levy D,Wang JP,Finberg RW, Kurt-Jones EA,Freedman JE | |
| low Cytometry (15) | |
| Nature immunology | Year |
| A genetic disorder reveals a hematopoietic stem cell regulatory network | 2023 |
| co-opted in leukemia. | Species |
| "11-0419-42 was used in Flow cytometry/Cell sorting to show that this transcriptional network is co-opted in high-risk leukemias, thereby enabling these cancers to acquire stem cell properties." | Human |
| Authors: Voit RA,Tao L,Yu F,Cato LD,Cohen B,Fleming TJ,Antoszewski M,Liao X,Fiorini C,Nandakumar SK,Wahlster L, Teichert K,Regev A,Sankaran VG | |
| Cell reports | Year |
| Resolving the immune landscape of human prostate at a single-cell level | 2021 |
| in health and cancer. | Species |
| "11-0419-42 was used in Flow cytometry/Cell sorting to identify a subset of tumor-enriched androgen receptor-negative | Human |

"11-0419-42 was used in Flow cytometry/Cell sorting to identify a subset of tumor-enriched androgen receptor-negative luminal epithelial cells with increased expression of cancer-associated genes."

Authors: Tuong ZK,Loudon KW,Berry B,Richoz N,Jones J,Tan X,Nguyen Q,George A,Hori S,Field S,Lynch AG,Kania K, Coupland P,Babbage A,Grenfell R,Barrett T,Warren AY,Gnanapragasam V,Massie C,Clatworthy MR

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More applications with references on thermofisher.com

IM (1)

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CD41a Monoclonal Antibody (HIP8), FITC, eBioscience™

| Product Details | | |
|-----------------------|-------------------------------------|-----------------|
| Size | 100 Tests | |
| Species reactivity | Human | |
| Published species | Bacteria, Human | |
| Host / Isotype | Mouse / IgG1, kappa | |
| Class | Monoclonal | |
| Туре | Antibody | |
| Clone | HIP8 | |
| Conjugate | FITC | |
| Form | Liquid | |
| Concentration | 5 µL/Test | |
| Purification | Affinity chromatography | |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA | |
| Contains | 0.09% sodium azide | |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! | |
| RRID | AB_10718234 | |
| A 11 /1 | | |
| Applications | Tested Dilution | Publications |
| Flow Cytometry (Flow) | 5 μL (0.25 μg)/test | 16 Publications |

| Flow Cytometry (Flow) | 5 μL (0.25 μg)/test | 16 Publications |
|------------------------------|---------------------|-----------------|
| Immunocytochemistry (ICC/IF) | - | 3 Publications |
| Immunomicroscopy (IM) | | 1 Publication |

Product Specific Information

Description: The HIP8 monoclonal antibody reacts with the human CD41 molecule, the integrin alphallb also known as platelet GPIIb. CD41 non-covalently associates with integrin beta3 (GPIIIa, CD61) and is expressed by megakaryocytes and platelets. The CD41/CD61 complex is a receptor for fibronectin, fibrinogen, von Willebrand factor, vitronectin and thrombospondin and mediates platelets aggregation. HIP8 blocks platelet aggregation. Applications Reported: The HIP8 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This HIP8 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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Performanc guarenteed

CD22 Monoclonal Antibody (S-HCL-1), APC, eBioscience™

Product Details

| FIGURE Details | |
|--------------------------------|---|
| Size | 100 Tests |
| Species Reactivity | Human |
| Host/Isotype | Mouse / IgG2b, kappa |
| Recommended Isotype Control | Mouse IgG2b kappa Isotype Control (eBMG2b), APC, eBioscience™ |
| Class | Monoclonal |
| Туре | Antibody |
| Clone | S-HCL-1 |
| Conjugate | APC |
| Excitation/Emission Max | 651/660 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_10718979 |

| Applications | Tested Dilution | Publications |
|-----------------------|----------------------|--------------|
| Flow Cytometry (Flow) | 5 μL (0.125 μg)/test | - |

Product Specific Information

Description: The S-HCl-1 monoclonal antibody recognizes human CD22 (Siglec-2), which is a member of the siglec subgroup of the Ig superfamily. CD22 is a type I transmembrane glycoprotein composed of two polypeptide chains, CD22a and CD22, of 130 and 140 kDa respectively, produced by alternative splicing of the CD22 gene. CD22 is expressed at high levels on mature B cells and B cell lymphomas. The extracellular portion of CD22 contains seven Ig-like domains, some of which are capable of binding ligands with sialic acid moieties expressed on epithelial, endothelial, B and T cells. The intracellular portion of CD22 contains 6 tyrosine residues contained within immunotyrosine-based inhibitory motifs (ITIM) and immunotyrosine-based activation-like motifs, which are phosphorylated upon B-cell receptor engagement, which enables CD22 to participate in the positive and negative regulation of B-cell receptor signaling.

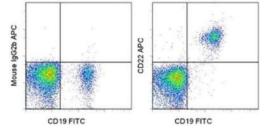
Applications Reported: This S-HCL-1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This S-HCL-1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.125 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD22 Monoclonal Antibody (S-HCL-1), APC, eBioscience™



CD22 Antibody (17-4229-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD19 FITC (Product # 11-0199-42) and Mouse IgG2b K Isotype Control APC (Product # 17-4732-81) (left) or Anti-Human CD22 APC (right). Cells in the lymphocyte gate were used for analysis.

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CD22 Monoclonal Antibody (S-HCL-1), APC, eBioscience™

| Product Details | | |
|-----------------------|-------------------------------------|--------------|
| Size | 100 Tests | |
| Species reactivity | Human | |
| Host / Isotype | Mouse / IgG2b, kappa | |
| Class | Monoclonal | |
| Туре | Antibody | |
| Clone | S-HCL-1 | |
| Conjugate | APC | |
| Form | Liquid | |
| Concentration | 5 µL/Test | |
| Purification | Affinity chromatography | |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA | |
| Contains | 0.09% sodium azide | |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! | |
| RRID | AB_10718979 | |
| | | |
| Applications | Tested Dilution | Publications |
| Flow Cytometry (Flow) | 5 μL (0.125 μg)/test | • |

Product Specific Information

Description: The S-HCl-1 monoclonal antibody recognizes human CD22 (Siglec-2), which is a member of the siglec subgroup of the Ig superfamily. CD22 is a type I transmembrane glycoprotein composed of two polypeptide chains, CD22a and CD22 β , of 130 and 140 kDa respectively, produced by alternative splicing of the CD22 gene. CD22 is expressed at high levels on mature B cells and B cell lymphomas. The extracellular portion of CD22 contains seven Ig-like domains, some of which are capable of binding ligands with sialic acid moieties expressed on epithelial, endothelial, B and T cells. The intracellular portion of CD22 contains 6 tyrosine residues contained within immunotyrosine-based inhibitory motifs (ITIM) and immunotyrosine-based activation-like motifs, which are phosphorylated upon B-cell receptor engagement, which enables CD22 to participate in the positive and negative regulation of B-cell receptor signaling.

Applications Reported: This S-HCL-1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This S-HCL-1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.125 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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CD33 Monoclonal Antibody (P67.6), APC, eBioscience™

| Product Details | | | |
|-----------------------|-------------------------------------|---------------|--|
| Size | 25 Tests | | |
| Species reactivity | Human | | |
| Host / Isotype | Mouse / IgG1, kappa | | |
| Class | Monoclonal | | |
| Туре | Antibody | | |
| Clone | P67.6 | | |
| Conjugate | APC | | |
| Form | Liquid | | |
| Concentration | 5 µL/Test | | |
| Purification | Affinity chromatography | | |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA | | |
| Contains | 0.09% sodium azide | | |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! | | |
| RRID | AB_2815077 | | |
| Annlingtions | Tested Dilution | Dukligetigen | |
| Applications | Tested Dilution | Publications | |
| Flow Cytometry (Flow) | 5 μL (0.06 μg)/test | 1 Publication | |

Product Specific Information

Description: The P67.6 monoclonal antibody reacts with human CD33 (also known as GP67 and P67), a 67 kDa type I transmembrane glycoprotein that is a member of the Siglec (sialic acid-binding Ig superfamily lectin) family. It is highly specific to the hematopoietic compartment and is expressed on monocytes, activated T cells, granulocytes, myeloid progenitors, and mast cells.

Applications Reported: This P67.6 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This P67.6 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 μ L (0.06 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser

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Performance guarenteed

CD33 Monoclonal Antibody (P67.6), APC, eBioscience™

Product Details

| I Toduct Details | |
|--------------------------------|--|
| Size | 25 Tests |
| Species Reactivity | Human |
| Host/Isotype | Mouse / IgG1, kappa |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™ |
| Class | Monoclonal |
| Туре | Antibody |
| Clone | P67.6 |
| Conjugate | APC |
| Excitation/Emission Max | 651/660 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_2815077 |
| | |

| Applications | Tested Dilution | Publications |
|-----------------------|---------------------|----------------|
| Flow Cytometry (Flow) | 5 μL (0.06 μg)/test | 2 Publications |

Product Specific Information

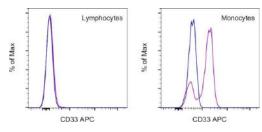
Description: The P67.6 monoclonal antibody reacts with human CD33 (also known as GP67 and P67), a 67 kDa type I transmembrane glycoprotein that is a member of the Siglec (sialic acid-binding Ig superfamily lectin) family. It is highly specific to the hematopoietic compartment and is expressed on monocytes, activated T cells, granulocytes, myeloid progenitors, and mast cells.

Applications Reported: This P67.6 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This P67.6 antibody has been pre-diluted and tested by flow cytometric analysis of normal human peripheral blood cells. This may be used at 5 μ L (0.06 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser

Product Images For CD33 Monoclonal Antibody (P67.6), APC, eBioscience™



CD33 Antibody (17-0337-41) in Flow

Normal human peripheral blood cells were stained with Mouse IgG1 kappa Isotype Control, APC (Product # 17-4714-82) (blue histogram) or CD33 Monoclonal Antibody, APC (purple histogram). Cells in the lymphocyte gate (left) or monocyte gate (right) were used for analysis.

2 References

Flow Cytometry (2)

| Cancer research Osimertinib Covalently Binds to CD34 and Eliminates Myeloid Leukemia Stem/Progenitor Cells. | Year 2024 |
|--|---------------------|
| "Published figure using CD33 monoclonal antibody (Product # 17-0337-42) in Flow Cytometry" | |
| Authors: Xia L,Liu JY,Yang MY,Zhang XH,Jiang Y,Yin QQ,Luo CH,Liu HC,Kang ZJ,Zhang CT,Gao BB,Zhou AW,Cai HY,Waller EK,Yan JS,Lu Y | |
| Nature communications | Year |
| | |
| Loss of testosterone impairs anti-tumor neutrophil function. | 2020 |
| Loss of testosterone impairs anti-tumor neutrophil function. "Published figure using CD33 monoclonal antibody (Product # 17-0337-42) in Flow Cytometry" | 2020 |

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invitrogen



CD117 (c-Kit) Monoclonal Antibody (104D2), PE, eBioscience™

| Product Details | | | |
|-----------------------|-------------------------------------|-------------------------------------|--|
| Size | 100 Tests | | |
| Species reactivity | Human | | |
| Published species | Human, Mouse | | |
| Host / Isotype | Mouse / IgG1, kappa | | |
| Class | Monoclonal | | |
| Туре | Antibody | | |
| Clone | 104D2 | | |
| Conjugate | PE | | |
| Form | Liquid | | |
| Concentration | 5 µL/Test | | |
| Purification | Affinity chromatography | | |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA | | |
| Contains | 0.09% sodium azide | | |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! | 4° C, store in dark, DO NOT FREEZE! | |
| RRID | AB_2043797 | | |
| A | Tracked Dilectory | Dublications | |
| Applications | Tested Dilution | Publications | |
| Flow Cytometry (Flow) | 5 µL (0.25 µg)/test | 7 Publications | |

Product Specific Information

Description: The 104D2 monoclonal antibody reacts with human CD117, also known as c-Kit, Steel factor receptor and stem cell factor receptor. A member of the tyrosine kinase receptor family, this 145 kDa molecule is expressed by hematopoietic progenitor cell subsets and mast cells. The interaction of c-Kit and Steel factor promotes proliferation and differentiation of hematopoietic progenitor cells and mast cell differentiation. CD117 is also expressed by melanocytes and plays a role in signaling and activation of these cells.

Applications Reported: This 104D2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 104D2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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CD117 (c-Kit) Monoclonal Antibody (104D2), PE, eBioscience™

Product Details

| i loudot Botallo | |
|--------------------------------|---|
| Size | 100 Tests |
| Species Reactivity | Human |
| Published Species | Mouse, Human |
| Host/Isotype | Mouse / IgG1, kappa |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™ |
| Class | Monoclonal |
| Туре | Antibody |
| Clone | 104D2 |
| Conjugate | PE |
| Excitation/Emission Max | 565/576 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_2043797 |
| | |

| Applications | Tested Dilution | Publications |
|-----------------------|---------------------|-----------------|
| Flow Cytometry (Flow) | 5 μL (0.25 μg)/test | 12 Publications |

Product Specific Information

Description: The 104D2 monoclonal antibody reacts with human CD117, also known as c-Kit, Steel factor receptor and stem cell factor receptor. A member of the tyrosine kinase receptor family, this 145 kDa molecule is expressed by hematopoietic progenitor cell subsets and mast cells. The interaction of c-Kit and Steel factor promotes proliferation and differentiation of hematopoietic progenitor cells and mast cell differentiation. CD117 is also expressed by melanocytes and plays a role in signaling and activation of these cells.

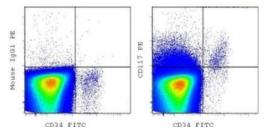
Applications Reported: This 104D2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This 104D2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD117 (c-Kit) Monoclonal Antibody (104D2), PE, eBioscience™



CD117 (c-Kit) Antibody (12-1178-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD34 FITC (Product # 11-0349-42) and Mouse IgG1 K Isotype Control PE (Product # 12-4714-81) (left) or Anti-Human CD117 (c-Kit) PE (right). CD45 dim cells in the lymphocyte gate were used for analysis.

View more figures on thermofisher.com

□ 12 References

Flow Cytometry (12)

| Haematologica IL6Myc mouse is an immunocompetent model for the development of aggressive multiple myeloma. "12-1178-42 was used in Flow Cytometry to indicate that the IL6Myc model is useful for studying development of aggressive MM and for developing new treatments against such forms of the disease." | | Year 2023 | |
|---|---------------------------|------------------|--|
| | | Species | |
| | | Mouse | |
| Authors: Pisano MD,Sun F,Cheng Y,Parashar D,Zhou V,Jing X,Sompallae R,Abrudan J,Zimmermann MT,Mathison A Janz S,Pufall MA | , | | |
| International journal of molecular sciences | | Year | |
| Airway and Lung Organoids from Human-Induced Pluripotent Stem Cells Can Be Used to Assess CFTR Conductance. | | 2023 | |
| "Published figure using CD117 (c-Kit) monoclonal antibody (Product # 12-1178-42) in Flow Cytometry" | | | |
| Authors: Demchenko A,Kondrateva E,Tabakov V,Efremova A,Salikhova D,Bukharova T,Goldshtein D,Balyasin M, Bulatenko N,Amelina E,Lavrov A,Smirnikhina S | | | |
| | View more Flow references | on thermofisher | |

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CD103 (Integrin alpha E) Monoclonal Antibody (Ber-ACT8), FITC, eBioscience™

| Product Details | |
|--------------------------------|---|
| Size | 25 Tests |
| Species Reactivity | Human |
| Host/Isotype | Mouse / IgG1, kappa |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™ |
| Class | Monoclonal |
| Туре | Antibody |
| Clone | Ber-ACT8 |
| Conjugate | FITC |
| Excitation/Emission Max | 498/517 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_1659665 |
| | |

| Applications | Tested Dilution | Publications |
|-----------------------|--------------------|---------------|
| Flow Cytometry (Flow) | 5 μL (0.5 μg)/test | 1 Publication |

Product Specific Information

Description: The Ber-ACT8 monoclonal antibody reacts with human CD103, the alpha E integrin. CD103 non-covalently associates with integrin beta7. CD103 is expressed mainly on intraepithelial lymphocytes and a small subset of peripheral lymphocytes. CD103 is also expressed by hairy cell leukemia (HCL) and by some chronic B cell lymphocytic leukemias. In vitro stimulation of human T cells with mitogens induces upregulation of CD103. Epithelial cell antigen (E-cadherin) binds to CD103 and mediates homing of lymphocytes to the intestinal epithelium. Cross-blocking studies suggest that B-Ly7 and Ber-ACT8 see different epitopes.

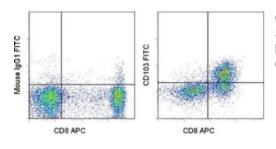
Applications Reported: This Ber-ACT8 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This Ber-ACT8 antibody has been pre-titrated and tested by flow cytometric analysis of 2-3 day PHAactivated normal human peripheral blood cells. This can be used at 5 µL (0.5 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD103 (Integrin alpha E) Monoclonal Antibody (Ber-ACT8), FITC, eBioscience™



CD103 (Integrin alpha E) Antibody (11-1037-41) in Flow

Staining of 3-day cultured (left) or 3-day PHA-stimulated (right) human peripheral blood cells with Anti-Human CD8a APC (Product # 17-0088-42) and Anti-Human CD103 (Integrin alpha E) FITC. Total viable cells were used for analysis.

□ 1 Reference

Flow Cytometry (1)

Nature communications

Neoadjuvant anti-OX40 (MEDI6469) therapy in patients with head and neck squamous cell carcinoma activates and expands antigen-specific tumor-infiltrating T cells.

Year 2021

"Published figure using CD103 (Integrin alpha E) monoclonal antibody (Product # 11-1037-41) in Flow Cytometry" Authors: Duhen R,Ballesteros-Merino C,Frye AK,Tran E,Rajamanickam V,Chang SC,Koguchi Y,Bifulco CB,Bernard B, Leidner RS,Curti BD,Fox BA,Urba WJ,Bell RB,Weinberg AD

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CD103 (Integrin alpha E) Monoclonal Antibody (Ber-ACT8), FITC, eBioscience™

| Product Details | | | |
|-----------------------|-------------------------------------|---------------|--|
| Size | 25 Tests | | |
| Species reactivity | Human | | |
| Host / Isotype | Mouse / IgG1, kappa | | |
| Class | Monoclonal | | |
| Туре | Antibody | | |
| Clone | Ber-ACT8 | | |
| Conjugate | FITC | | |
| Form | Liquid | | |
| Concentration | 5 µL/Test | | |
| Purification | Affinity chromatography | | |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA | | |
| Contains | 0.09% sodium azide | | |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! | | |
| RRID | AB_1659665 | | |
| | | | |
| Applications | Tested Dilution | Publications | |
| Flow Cytometry (Flow) | 5 μL (0.5 μg)/test | 1 Publication | |

Product Specific Information

Description: The Ber-ACT8 monoclonal antibody reacts with human CD103, the alpha E integrin. CD103 non-covalently associates with integrin beta7. CD103 is expressed mainly on intraepithelial lymphocytes and a small subset of peripheral lymphocytes. CD103 is also expressed by hairy cell leukemia (HCL) and by some chronic B cell lymphocytic leukemias. In vitro stimulation of human T cells with mitogens induces upregulation of CD103. Epithelial cell antigen (E-cadherin) binds to CD103 and mediates homing of lymphocytes to the intestinal epithelium. Cross-blocking studies suggest that B-Ly7 and Ber-ACT8 see different epitopes.

Applications Reported: This Ber-ACT8 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This Ber-ACT8 antibody has been pre-titrated and tested by flow cytometric analysis of 2-3 day PHA-activated normal human peripheral blood cells. This can be used at 5 μ L (0.5 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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Performance guarenteed

CD25 Monoclonal Antibody (BC96), PE, eBioscience™

Product Details

| I Toutet Details | |
|--------------------------------|---|
| Size | 100 Tests |
| Species Reactivity | Human |
| Published Species | Human, Mouse |
| Host/Isotype | Mouse / IgG1, kappa |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), PE, eBioscience™ |
| Class | Monoclonal |
| Туре | Antibody |
| Clone | BC96 |
| Conjugate | PE |
| Excitation/Emission Max | 565/576 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_1659682 |
| | |

| Applications | Tested Dilution | Publications |
|-----------------------|----------------------|-----------------|
| Flow Cytometry (Flow) | 5 μL (0.125 μg)/test | 41 Publications |

Product Specific Information

Description: The BC96 monoclonal antibody reacts with human CD25, the 55 kDa interleukin-2 receptor alpha chain (IL-2Ralpha). CD25 is expressed by early progenitors of T and B lineage as well as by activated mature T and B lymphocytes. By itself, CD25 binds IL-2 only with low affinity. However, CD25 associates with CD122 (IL-2 receptor beta chain) and CD132 (common gamma chain) to form the high affinity IL-2 receptor. CD25 plays a role in lymphocyte differentiating and activation /proliferation.

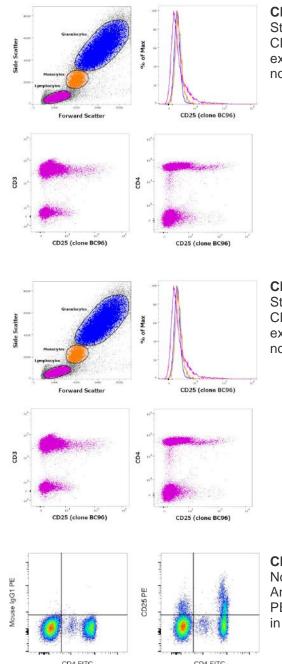
Applications Reported: The BC96 antibody has been reported for use in flow cytometric analysis.

Applications Tested: Has been pre-titrated and tested and can be used at 5 μ L (0.125 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD25 Monoclonal Antibody (BC96), PE, eBioscience™

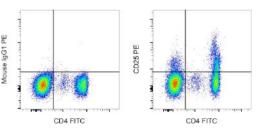


CD25 Antibody (12-0259-42)

Staining of human peripheral blood mononuclear cells with CD45 Pacific Blue, CD3 FITC, CD4 APC and CD25 PE. As expected based on known relative expression patterns, CD25 clone BC96 stains a subset of lymphocytes (pink), but not monocytes (orange) and granulocytes (blue). {RE}

CD25 Antibody (12-0259-42) in Flow

Staining of human peripheral blood mononuclear cells with CD45 Pacific Blue, CD3 FITC, CD4 APC and CD25 PE. As expected based on known relative expression patterns, CD25 clone BC96 stains a subset of lymphocytes (pink), but not monocytes (orange) and granulocytes (blue).



CD25 Antibody (12-0259-42) in Flow

Normal human peripheral blood cells were stained with CD4 Monoclonal Antibody, FITC (Product # 11-0047-42) and Mouse IgG1 kappa Isotype Control, PE (Product # 12-4714-82) (left) or CD25 Monoclonal Antibody, PE (right). Cells in the lymphocyte gate were used for analysis.

□ 41 References

Flow Cytometry (41)

Cytotherapy

CD73 activity of mesenchymal stromal cell-derived extracellular vesicle preparations is detergent-resistant and does not correlate with immunomodulatory capabilities.

"12-0259-42 was used in Flow Cytometry to assess whether ecto-5'-nucleotidase enzyme activity could serve as an indicator of the immunomodulatory potency of MSC-EV preparations."

Authors: Bauer FN, Tertel T, Stambouli O, Wang C, Dittrich R, Staubach S, Börger V, Hermann DM, Brandau S, Giebel B

Cells

The Composition of Adipose-Derived Regenerative Cells Isolated from Lipoaspirate Using a Point of Care System Does Not Depend on the Subject's Individual Age, Sex, Body Mass Index and Ethnicity.

"12-0259-42 was used in Flow cytometry/Cell sorting to show that key characteristics of unmodified, autologous, adipose-derived regenerative cells (UA-ADRCs) can be independent of the subject's age, sex, BMI and ethnicity." Authors: Schmitz C,Alt C,Azares AR,Pearce DA,Facile TR,Furia JP,Maffulli N,Huang C,Alt EU

Year 2023

Species Human

Year 2022

Species Human

View more Flow references on thermofisher.com

More applications with references on thermofisher.com

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CD25 Monoclonal Antibody (BC96), PE, eBioscience™

| Product Details | | |
|-----------------------|-------------------------------------|-----------------|
| Size | 100 Tests | |
| Species reactivity | Human | |
| Published species | Human, Mouse | |
| Host / Isotype | Mouse / IgG1, kappa | |
| Class | Monoclonal | |
| Туре | Antibody | |
| Clone | BC96 | |
| Conjugate | PE | |
| Form | Liquid | |
| Concentration | 5 µL/Test | |
| Purification | Affinity chromatography | |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA | |
| Contains | 0.09% sodium azide | |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! | |
| RRID | AB_1659682 | |
| | | |
| Applications | Tested Dilution | Publications |
| Flow Cytometry (Flow) | 5 μL (0.125 μg)/test | 41 Publications |

Product Specific Information

Description: The BC96 monoclonal antibody reacts with human CD25, the 55 kDa interleukin-2 receptor alpha chain (IL-2Ralpha). CD25 is expressed by early progenitors of T and B lineage as well as by activated mature T and B lymphocytes. By itself, CD25 binds IL-2 only with low affinity. However, CD25 associates with CD122 (IL-2 receptor beta chain) and CD132 (common gamma chain) to form the high affinity IL-2 receptor. CD25 plays a role in lymphocyte differentiating and activation/proliferation.

Applications Reported The BC96 antibody has been reported for use in flow cytometric analysis.

Applications Tested: Has been pre-titrated and tested and can be used at 5 μ L (0.125 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. Excitation: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser. Filtration: 0.2 μ m post-manufacturing filtered.

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TCL1 Monoclonal Antibody (eBio1-21 (1-21)), APC, eBioscience™

| Product Details | | | |
|-----------------------|-------------------------------------|----------------|--|
| Size | 100 Tests | | |
| Species reactivity | Human | | |
| Published species | Human | | |
| Host / Isotype | Mouse / IgG2b, kappa | | |
| Class | Monoclonal | | |
| Туре | Antibody | | |
| Clone | eBio1-21 (1-21) | | |
| Conjugate | APC | | |
| Form | Liquid | | |
| Concentration | 5 μL/Test | | |
| Purification | Affinity chromatography | | |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA | | |
| Contains | 0.09% sodium azide | | |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! | | |
| RRID | AB_11149309 | | |
| Applications | Tested Dilution | Publications | |
| Flow Cytometry (Flow) | 5 μL (0.25 μg)/test | 2 Publications | |

Product Specific Information

Description: The eBio1-21 antibody reacts with human T cell leukemia/lymphoma 1 (TCL1), a 14 kDa proto-oncogene product with a suggested role in intracellular regulation of T cell signalling. TCL1 was identified as the oncogene located at the 14q32.1 chromosome breakpoint region in T-cell prolymphocytic leukemia (T-PLL). In T-PLL, TCL1 is overexpressed as a result of an inversion or a reciprocal translocation, by juxtaposition to the T-cell receptor promoter/enhancer elements. TCL1 binds to the pleckstrin homology domain of Akt (protein kinase B) family proteins, which facilitates Akt dimerization and activity. By increasing Akt activity TCL1 may enhance the serine/threonine phosphorylation of major Akt signaling substrates, such as lkk complex, mTOR, BAD, p70S6 kinase, FOXO transcription factors, and GSK3beta. These substrates regulate cellular differentiation, growth, survival, and metabolism.

Besides its tumorigenic role in T-PLL, TCL1 is normally expressed in the CD3-CD4-CD8- subset of thymic precursors in the T cell lineage, the plasmacytoid subset of dendritic cells, stimulated (not resting) mature T cells, and B cells up to the germinal center stage of maturation. TCL1 is inappropriately expressed by chromosome rearrangements that lead to pre-malignant clonal T cell expansions and mature T cell tumors. TCL1 shows a regulated expression pattern in chronic lymphocytic leukemia (CLL).

Applications Reported: This eBio1-21 (1-21) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBio1-21 (1-21) antibody has been pre-titrated and tested by flow cytometric analysis of human cell line. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Visit thermofisher.com to view references and figures.

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TCL1 Monoclonal Antibody (eBio1-21 (1-21)), APC, eBioscience™

Product Details

| r roudot Botano | |
|--------------------------------|---|
| Size | 100 Tests |
| Species Reactivity | Human |
| Published Species | Human |
| Host/Isotype | Mouse / IgG2b, kappa |
| Recommended Isotype Control | Mouse IgG2b kappa Isotype Control (eBMG2b), APC, eBioscience™ |
| Class | Monoclonal |
| Туре | Antibody |
| Clone | eBio1-21 (1-21) |
| Conjugate | APC |
| Excitation/Emission Max | 651/660 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_11149309 |
| | |

| Applications | Tested Dilution | Publications |
|-----------------------|---------------------|----------------|
| Flow Cytometry (Flow) | 5 μL (0.25 μg)/test | 2 Publications |

Product Specific Information

Description: The eBio1-21 antibody reacts with human T cell leukemia/lymphoma 1 (TCL1), a 14 kDa proto-oncogene product with a suggested role in intracellular regulation of T cell signalling. TCL1 was identified as the oncogene located at the 14q32.1 chromosome breakpoint region in T-cell prolymphocytic leukemia (T-PLL). In T-PLL, TCL1 is overexpressed as a result of an inversion or a reciprocal translocation, by juxtaposition to the T-cell receptor promoter/enhancer elements. TCL1 binds to the pleckstrin homology domain of Akt (protein kinase B) family proteins, which facilitates Akt dimerization and activity. By increasing Akt activity TCL1 may enhance the serine/threonine phosphorylation of major Akt signaling substrates, such as Ikk complex, mTOR, BAD, p70S6 kinase, FOXO transcription factors, and GSK3beta. These substrates regulate cellular differentiation, growth, survival, and metabolism.

Besides its tumorigenic role in T-PLL, TCL1 is normally expressed in the CD3-CD4-CD8- subset of thymic precursors in the T cell lineage, the plasmacytoid subset of dendritic cells, stimulated (not resting) mature T cells, and B cells up to the germinal center stage of maturation. TCL1 is inappropriately expressed by chromosome rearrangements that lead to pre-malignant clonal T cell expansions and mature T cell tumors. TCL1 shows a regulated expression pattern in chronic lymphocytic leukemia (CLL).

Applications Reported: This eBio1-21 (1-21) antibody has been reported for use in flow cytometric analysis.

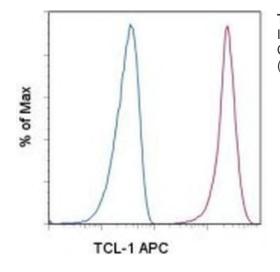
Applications Tested: This eBio1-21 (1-21) antibody has been pre-titrated and tested by flow cytometric analysis of human cell line. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in

a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For TCL1 Monoclonal Antibody (eBio1-21 (1-21)), APC, eBioscience™



TCL1 Antibody (17-6699-42) in Flow

Intracellular staining of the Daudi cell line with Mouse IgG2b kappa Isotype Control APC (Product # 17-4732-81) (blue histogram) or Anti-Human TCL1 APC (purple histogram). Total viable cells were used for analysis.

2 References

Flow Cytometry (2)

| Cell reports | Year |
|---|-----------------|
| The Interplay between CD27 ^{dull} and CD27 ^{bright} B Cells Ensures the | 2020 |
| Flexibility, Stability, and Resilience of Human B Cell Memory. | Specie Human |
| "17-6699 was used in Flow cytometry/Cell sorting to identify two MBC subsets in peripheral blood, CD27dull and CD27bright MBCs, whose frequency changes with age." | numan |
| Authors: Grimsholm O,Piano Mortari E,Davydov AN,Shugay M,Obraztsova AS,Bocci C,Marasco E,Marcellini V, Aranburu A,Farroni C,Silvestris DA,Cristofoletti C,Giorda E,Scarsella M,Cascioli S,Barresi S,Lougaris V,Plebani A, Cancrini C,Finocchi A,Moschese V,Valentini D,Vallone C,Signore F,de Vincentiis G,Zaffina S,Russo G,Gallo A,Locatelli F,Tozzi AE,Tartaglia M,Chudakov DM,Carsetti R | |

| Leukemia | Year |
|--|---------|
| Stromal cells modulate TCL1 expression, interacting AP-1 components | 2012 |
| and TCL1-targeting micro-RNAs in chronic lymphocytic leukemia. | Species |
| "17-6699 was used in Flow cytometry/Cell sorting to demonstrate that the microenvironment has a proactive role in the regulation of TCL1 in CLL." | Human |

Authors: Sivina M,Hartmann E,Vasyutina E,Boucas JM,Breuer A,Keating MJ,Wierda WG,Rosenwald A,Herling M, Burger JA

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CD300e (IREM-2) Monoclonal Antibody (UP-H2), APC, eBioscience™

| Product Details | |
|--------------------------------|--|
| Size | 100 Tests |
| Species Reactivity | Human |
| Published Species | Human |
| Host/Isotype | Mouse / IgG1 |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™ |
| Class | Monoclonal |
| Туре | Antibody |
| Clone | UP-H2 |
| Conjugate | APC |
| Excitation/Emission Max | 651/660 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_11219878 |

| Applications | Tested Dilution | Publications |
|-----------------------|---------------------|---------------|
| Flow Cytometry (Flow) | 5 μL (0.25 μg)/test | 1 Publication |

Product Specific Information

Description: The UP-H2 monoclonal antibody recognizes human IREM-2 (immune receptor expressed in monocytic derived cells) also known as LMIR6, and unofficially CD300E and CD300LE. It is a member of the CMRF-35 family. This 34 kDa Ig-like containing receptor is an activating receptor and through it's charged residues in the cytokplasmic domain interacts with ITAM containing adaptor proteins like DAP12. Expression is found exclusively on monocytes and myeloid DC's. Expression may be transient as differentiation of monocytes leads to down regulation of IREM-2 yet expression is found on mature DCs. It has been also noted that myeloid cell lines such as THP-1 and U937 do not express IREM-2.

In vitro addition of UP-H2 antibody either soluble or crosslinked stimulates monocytes.

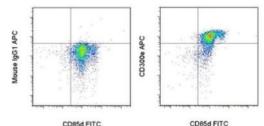
Applications Reported: This UP-H2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This UP-H2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.25 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD300e (IREM-2) Monoclonal Antibody (UP-H2), APC, eBioscience™



CD300e (IREM-2) Antibody (17-3007-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD85d (ILT4) FITC (Product # 11-5148-42) and Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human CD300e (IREM-2) APC (right). Cells in the monocyte gate were used for analysis.

□ 1 Reference

Flow Cytometry (1)

Blood advances The transition of M-CSF-derived human macrophages to a growthpromoting phenotype.

"17-3007 was used in Flow cytometry/Cell sorting to demonstrate that inflammation induced by Toll-like receptor stimulation is followed by the upregulation of receptors for adenosine and prostaglandin E2, which help terminate macrophage activation and initiate tissue remodeling and angiogenesis."

Authors: Hamidzadeh K,Belew AT,EI-Sayed NM,Mosser DM

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Year 2020

Species Human



CD300e (IREM-2) Monoclonal Antibody (UP-H2), APC, eBioscience™

| Product Details | | |
|-----------------------|-------------------------------------|---------------|
| Size | 100 Tests | |
| Species reactivity | Human | |
| Published species | Human | |
| Host / Isotype | Mouse / IgG1 | |
| Class | Monoclonal | |
| Туре | Antibody | |
| Clone | UP-H2 | |
| Conjugate | APC | |
| Form | Liquid | |
| Concentration | 5 μL/Test | |
| Purification | Affinity chromatography | |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA | |
| Contains | 0.09% sodium azide | |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! | |
| RRID | AB_11219878 | |
| | | |
| Applications | Tested Dilution | Publications |
| Flow Cytometry (Flow) | 5 μL (0.25 μg)/test | 1 Publication |

Product Specific Information

Description: The UP-H2 monoclonal antibody recognizes human IREM-2 (immune receptor expressed in monocytic derived cells) also known as LMIR6, and unofficially CD300E and CD300LE. It is a member of the CMRF-35 family. This 34 kDa Ig-like containing receptor is an activating receptor and through it's charged residues in the cytokplasmic domain interacts with ITAM containing adaptor proteins like DAP12. Expression is found exclusively on monocytes and myeloid DC's. Expression may be transient as differentiation of monocytes leads to down regulation of IREM-2 yet expression is found on mature DCs. It has been also noted that myeloid cell lines such as THP-1 and U937 do not express IREM-2.

In vitro addition of UP-H2 antibody either soluble or crosslinked stimulates monocytes.

Applications Reported: This UP-H2 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This UP-H2 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.25 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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CD7 Monoclonal Antibody (eBio124-1D1 (124-1D1)), APC, eBioscience™

| Product Details | | |
|-----------------------|-------------------------------------|----------------|
| Size | 100 Tests | |
| Species reactivity | Human | |
| Published species | Human | |
| Host / Isotype | Mouse / IgG1, kappa | |
| Class | Monoclonal | |
| Туре | Antibody | |
| Clone | eBio124-1D1 (124-1D1) | |
| Conjugate | APC | |
| Form | Liquid | |
| Concentration | 5 µL/Test | |
| Purification | Affinity chromatography | |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA | |
| Contains | 0.09% sodium azide | |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! | |
| RRID | AB_10671279 | |
| Angliasticus | Tested Dilution | Dublications |
| Applications | Tested Dilution | Publications |
| Flow Cytometry (Flow) | 5 μL (0.125 μg)/test | 2 Publications |

Product Specific Information

Miscellaneous Pubmed (Misc)

Description: The eBio124-1D1 monoclonal antibody reacts with human CD7, also known as gp40 and Leu9. CD7, a 40 kD receptor, is a member of the immunoglobulin gene superfamily. The N-terminal amino acid sequence (aa1-107) is highly homologous to Ig kappa light chain sequence; while the carboxyl-terminal region of the extracellular domain is proline-rich and has been postulated to form a stalk from which the Ig domain projects. CD7 is expressed on the majority of immature and mature T lymphocytes, and T cell leukemias. It is also found on natural killer cells, a small suppopulation of normal B cells and on maligant B cells. Cross-linking surface CD7 positively modulates T cell and NK cell activity, as measured by calcium flux, expression of adhesion molecules, cytokine secretion and proliferation. CD7 associates directly with phosphoinositol 3'-kinase. CD7 ligation induces production of D-3 phosphoinositides and tyrosine phosphorylation.

1 Publication

A clonogenic subpopulation of human CD34(+) CD38(-) cord blood cells that express CD45RA and HLA-DR and high levels of the CD7 has been reported. These cells possess the capacity for lymphopoiesis. They can generate B-cells, natural killer cells, and dendritic cells but do not possess the capacity to develop into myeloid cells or erythroid cells. The CD7(+) phenotype distinguishes primitive human lymphoid progenitors from pluripotent stem cells.

Furthermore, it has been suggested that CD7 co-operates with CD28 during Treg function, as mice deficient in both CD28 and CD7 have reduced total numbers of Tregs and these Tregs have reduced suppressive activity.

Applications Reported: This eBio124-1D1 (124-1D1) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBio124-1D1 (124-1D1) antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

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CD7 Monoclonal Antibody (eBio124-1D1 (124-1D1)), APC, eBioscience™

| Product Details | |
|--------------------------------|--|
| Size | 100 Tests |
| Species Reactivity | Human |
| Published Species | Human |
| Host/Isotype | Mouse / IgG1, kappa |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™ |
| Class | Monoclonal |
| Туре | Antibody |
| Clone | eBio124-1D1 (124-1D1) |
| Conjugate | APC |
| Excitation/Emission Max | 651/660 nm |
| Form | Liquid |
| Concentration | 5 µL/Test |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_10671279 |
| | |

| Applications | Tested Dilution | Publications |
|-----------------------------|----------------------|----------------|
| Flow Cytometry (Flow) | 5 μL (0.125 μg)/test | 2 Publications |
| Miscellaneous PubMed (Misc) | - | 1 Publication |

Product Specific Information

Description: The eBio124-1D1 monoclonal antibody reacts with human CD7, also known as gp40 and Leu9. CD7, a 40 kD receptor, is a member of the immunoglobulin gene superfamily. The N-terminal amino acid sequence (aa1-107) is highly homologous to Ig kappa light chain sequence; while the carboxyl-terminal region of the extracellular domain is proline-rich and has been postulated to form a stalk from which the Ig domain projects. CD7 is expressed on the majority of immature and mature T lymphocytes, and T cell leukemias. It is also found on natural killer cells, a small suppopulation of normal B cells and on maligant B cells. Cross-linking surface CD7 positively modulates T cell and NK cell activity, as measured by calcium flux, expression of adhesion molecules, cytokine secretion and proliferation. CD7 associates directly with phosphoinositol 3'-kinase. CD7 ligation induces production of D-3 phosphoinositides and tyrosine phosphorylation.

A clonogenic subpopulation of human CD34(+) CD38(-) cord blood cells that express CD45RA and HLA-DR and high levels of the CD7 has been reported. These cells possess the capacity for lymphopoiesis. They can generate B-cells, natural killer cells, and dendritic cells but do not possess the capacity to develop into myeloid cells or erythroid cells. The CD7(+) phenotype distinguishes primitive human lymphoid progenitors from pluripotent stem cells.

Furthermore, it has been suggested that CD7 co-operates with CD28 during Treg function, as mice deficient in both CD28 and CD7 have reduced total numbers of Tregs and these Tregs have reduced suppressive activity.

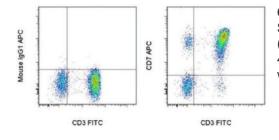
Applications Reported: This eBio124-1D1 (124-1D1) antibody has been reported for use in flow cytometric analysis.

Applications Tested: This eBio124-1D1 (124-1D1) antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD7 Monoclonal Antibody (eBio124-1D1 (124-1D1)), APC, eBioscience™



CD7 Antibody (17-0079-42) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD3 FITC (Product # 11-0038-42) and Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (left) or Anti-Human CD7 APC (right). Cells in the lymphocyte gate were used for analysis.

□ 3 References

Flow Cytometry (2)

| Blood advances Clonal hematopoiesis predicts development of therapy-related myeloid neoplasms post-autologous stem cell transplantation. | Year 2020 Species |
|---|-------------------------|
| "17-0079-42 was used in Flow Cytometry to conclude that clonal hematopoiesis, present at low variant allele frequencies, and aberrant CD7 expression on stem cells in leukapheresis products from patients with nonmyeloid hematologic cancer hold potential for the early identification of patients at high risk of developing tMN after ASCT." | Human |
| Authors: Soerensen JF,Aggerholm A,Kerndrup GB,Hansen MC,Ewald IKL,Bill M,Ebbesen LH,Rosenberg CA,Hokland P, Ludvigsen M,Stidsholt Roug A | |
| Molecular & cellular proteomics : MCP | Year |
| High-resolution Antibody Array Analysis of Childhood Acute Leukemia | 2016 Species |
| Cells. | |
| "17-0079 was used in Flow cytometry/Cell sorting to verify the utility of Size Exclusion Chromatography-Microsphere- based Affinity Proteomics techniques in immunophenotypic analyses." | Human |
| Authors: Kanderova V,Kuzilkova D,Stuchly J,Vaskova M,Brdicka T,Fiser K,Hrusak O,Lund-Johansen F,Kalina T | |
| /iscellaneous PubMed (1) | |
| Molecular & cellular proteomics : MCP | Year |
| | 2016 |

| High-resolution Antibody Array Analysis of Childhood Acute Leukemia | |
|---|--|
| Cells. | |

Species Human

"17-0079 was used in Flow cytometry/Cell sorting to verify the utility of Size Exclusion Chromatography-Microspherebased Affinity Proteomics techniques in immunophenotypic analyses."

Authors: Kanderova V,Kuzilkova D,Stuchly J,Vaskova M,Brdicka T,Fiser K,Hrusak O,Lund-Johansen F,Kalina T

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