

Mouse CD181 Monoclonal Antibody | anti-CD181 antibody

CD181 antibody

CATALOG # AAA107428	HOST Mouse	APPLICATIONS Immunoprecipitation, ELISA, Flow Cytometry, Functional Assay
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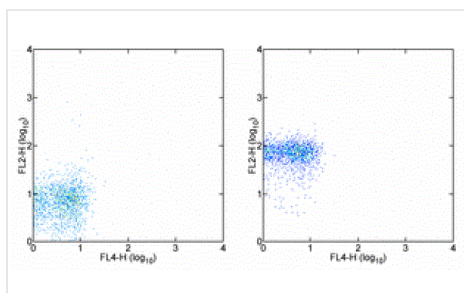
PRODUCT SYNONYMS

CD181; Monoclonal Antibody; CD181 antibody; Monoclonal CD181; Anti-CD181; C-X-C chemokine receptor type 1; IL-8Ra; CD 181; CD-181; IL8RA; Interleukin-8 Receptor A; CMKAR1; anti-CD181 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	8F1-1-4
Specificity	Human
Purity/Purification	CD181 antibody was purified by affinity chromatography.
Form/Format	Liquid in PBS, pH 7.2, with 0.09% Sodium Azide
Concentration	500 ug/ml (varies by lot)
Applicable Applications for anti-CD181 antibody	IP (Immunoprecipitation), ELISA, FCM/FACS (Flow Cytometry)
Biological Significance	The 8F1-1-4 monoclonal antibody reacts with human CD181. CD181 is a 67-70 kDa member of the 7-transmembrane spanning G-protein coupled receptor family. CD181 is expressed as a homodimer, or a heterodimer with CD182 and is expressed on granulocytes, NK cells, a subset of T cells, mast cells, monocytes, endothelial cells, megakaryocytes and oligodendrocytes. Binding of it's ligands, which include IL-8, NAP-2, GCP-2 and GRO-alpha, induces several biological outcomes such as cell activation, chemotaxis, proliferation and angiogenesis. There are several functional differences between CD181 and CD182. Both receptors are able to mediate chemotaxis and intracellular calcium changes, but only CD181 mediates phospholipase D activation and respiratory burst. Furthermore, studies have shown that IL-8 predominantly mediates its effects on neutrophil function through CD181.
Preparation and Storage	Store at 4°C.

IMAGES



FCM/FACS (Flow Cytometry)

Staining of normal human peripheral blood cells with 0.25 ug of Mouse IgG2b kappa Isotype Control (left) or 0.25 ug of CD181 antibody (right) followed by F(ab')₂ Anti-Mouse IgG (PE). Cells in the large scatter population were used for analysis.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CD181 antibody	Signal Transduction
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd181-antibody-clone-8f1-1-4-immunoprecipitation-flow-cytometry-elisa/107428>