# Mouse CD181 Monoclonal Antibody | anti-CD181 antibody

CD181 antibody

| CATALOG # | HOST | APPLICATIONS |
|---|---|---|
| **AAA107428** | **Mouse** | **Immunoprecipitation, ELISA, Flow Cytometry, Functional Assay** |

## 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

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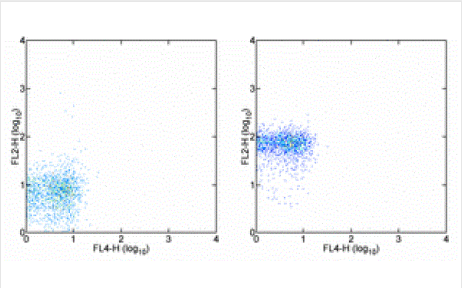
|---|---|
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype** | IgG2b kappa |
| **Clone Number** | 8F1-1-4 |
| **Specificity** | Human |
| **Purity/Purification** | CD181 antibody was purified by affinity chromatography. |
| **Form/Format** | Liquid in PBS, pH 7.2, with 0.09% Sodium Azide |
| **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 phospolipase 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

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| **Product Categories/Family for anti-CD181 antibody** | Signal Transduction |

**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://www.aaabiotech.com/monoclonal/cd181-antibody-clone-8f1-1-4-immunoprecipitation-flow-cytometry-elisa/107428