

Product Data Sheet

Purified anti-human CD181 (CXCR1)

Catalog # / Size: 320602 / 100 µg

Clone: 8F1/CXCR1

Isotype: Mouse IgG2b, κ

Immunogen: Human CXCR1 transfected L1.2 cells

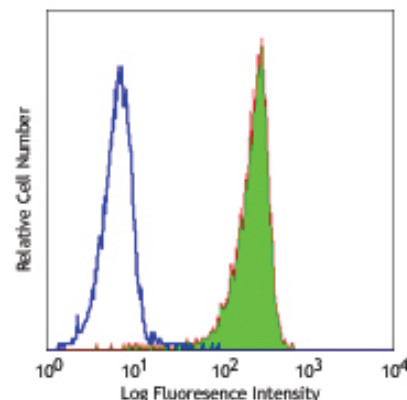
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.



Human peripheral blood granulocytes stained with purified 8F1/CXCR1, followed by anti-mouse IgG FITC

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 1.0 µg per 10^6 cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: The 8F1/CXCR1 antibody is useful for immunofluorescent staining and flow cytometric analysis of CXCR1 expression.

Description: CXCR1 is a 67-70 kD seven-transmembrane protein, also known as IL-8 receptor A (IL-8RA), CD181, and CDw128a. It is a CXC chemokine receptor belongs to G protein-coupled receptor (GPCR) family. CXCR1 is expressed as homodimer or heterodimer with CXCR2 and found on granulocytes, NK cells, subset of T lymphocytes, mast cells, monocytes, endothelial cells, megakaryocytes, and oligodendrocytes. The expression level of CXCR1 on monocytes is lower than that of CXCR2. CXCR1 mediates neutrophil activation and chemotaxis, megakaryocytic proliferation, and angiogenesis via binding its ligands including IL-8(CXCL8), NAP-2(CXCL7), GCP-2(CXCL6), and GRO-α(CXCL1).

Antigen References:

1. Chuntharapai A, *et al.* 1994. *J. Immunol.* 153:5682.
2. Wilson S, *et al.* 2005. *J. Biol. Chem.* 280:28663.
3. Emadi S, *et al.* 2005. *Blood* 105:464.
4. Omari KM, *et al.* 2005. *Brain* 128:1003.
5. Juremalm M, G. Nilsson. 2005. *Chem. Immunol. Allergy.* 87:130.
6. Wolf M, *et al.* 1998. *Eur. J. Immunol.* 28:164

Related Products:

Product
 APC Goat anti-mouse IgG (minimal x-reactivity)
 Purified Mouse IgG2b, κ Isotype Ctrl
 PE Goat anti-mouse IgG (minimal x-reactivity)
 Cell Staining Buffer

Clone
 Poly4053
 MPC-11
 Poly4053

Application

FC
 FC, ICFC, ICC, IF, IHC, IP, WB
 FC
 FC, ICC, ICFC



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