

APC anti-human CD181 (CXCR1)

Catalog # / Size: 320612 / 100 tests

Clone: 8F1/CXCR1

Isotype: Mouse IgG2b, κ

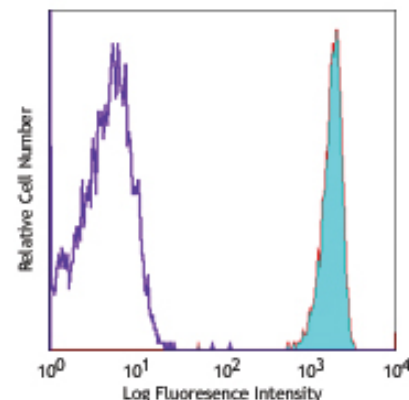
Immunogen: Human CXCR1 transfected L1.2 cells

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



Human peripheral blood granulocytes stained with 8F1/CXCR1 APC

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. **Test size products are transitioning from 20 μ l to 5 μ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 μ l staining volume or per 100 μ l of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Read more at www.biolegend.com/testsize regarding the test size change.

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.

Application References: 1. Sato Y, *et al.* 2012. *PLoS One*. 7:e42776. PubMed.

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 Mouse IgG2b, κ Isotype Ctrl

Cell Staining Buffer

Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone

MPC-11

Application

FC, ICFC

FC, ICC, ICFC

FC, ICC, ICFC



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