

## FITC anti-human CD182 (CXCR2)

**Catalog # / Size:** 320704 / 100 tests

**Clone:** 5E8/CXCR2

**Isotype:** Mouse IgG1,  $\kappa$

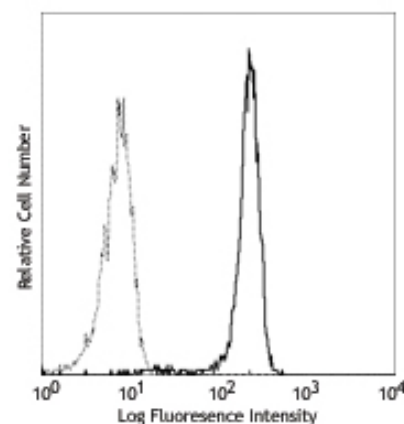
**Immunogen:** Human CXCR2 transfected L1.2 cells

**Reactivity:** Human

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

**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 5E8/CXCR2 FITC

## 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  $\mu$ l to 5  $\mu$ l per test.** Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100  $\mu$ l staining volume or per 100  $\mu$ 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](http://www.biolegend.com/testsize) regarding the test size change.

**Application Notes:** Additional reported applications (for the relevant formats) include: The 5E8/CXCR2 antibody is useful for immunofluorescent staining and flow cytometric analysis of CXCR2 expression.

**Application References:** 1. Kyriakakis E, *et al.* 2011. *J Leukoc Biol.* 90:929. PubMed.

**Description:** CXCR2 is a 67-70 kD seven-transmembrane protein, also known as IL-8 receptor B (IL-8RB), CD182, and CD128b. It is a CXC chemokine receptor belongs to G protein-coupled receptor (GPCR) family. CXCR2 is expressed as homodimer or heterodimer with CXCR1 and found on granulocytes, NK cells, subset of T lymphocytes, mast cells, monocytes, endothelial cells, megakaryocytes, and oligodendrocytes. CXCR2 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- $\alpha,\beta,\gamma$  (CXCL1, CXCL2, CXCL3).

**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 and Nilsson G. 2005. *Chem. Immunol. Allergy* 87:130.  
6. Wolf M, *et al.* 1998. *Eur. J. Immunol.* 28:164.

### Related Products:

**Product**  
FITC Mouse IgG1,  $\kappa$  Isotype Ctrl  
Cell Staining Buffer  
RBC Lysis Buffer (10X)  
Human TruStain FcX™ (Fc Receptor Blocking Solution)

**Clone**  
MOPC-21

**Application**  
FC, ICFC  
FC, ICC, ICFC  
FC, ICFC  
FC, ICC, ICFC



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