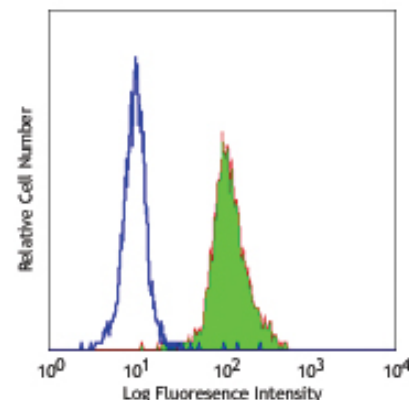


# Product Data Sheet

## Purified anti-human CD182 (CXCR2)

**Catalog # / Size:** 320702 / 100 µg  
**Clone:** 5E8/CXCR2  
**Isotype:** Mouse IgG1, κ  
**Immunogen:** Human CXCR2 transfected L1.2 cells  
**Reactivity:** Human  
**Preparation:** The antibody was purified by affinity chromatography.  
**Formulation:** 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 5E8/CXCR2, 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<sup>6</sup> 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 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-α,β,γ (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**  
 Purified Mouse IgG1, κ Isotype Ctrl  
 APC Goat anti-mouse IgG (minimal x-reactivity)  
 PE Goat anti-mouse IgG (minimal x-reactivity)  
 Cell Staining Buffer  
 RBC Lysis Buffer (10X)

**Clone**  
 MOPC-21  
 Poly4053  
 Poly4053

### Application

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



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