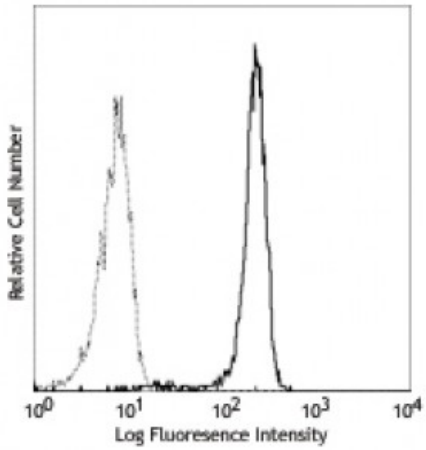
SONY

Product Data Sheet

FITC anti-human CD182 (CXCR2)

Catalog # / Size:	2203520 / 100 tests
Clone:	5E8/CXCR2
Isotype:	Mouse IgG1, κ
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).
Concentration:	Lot-specific



Human peripheral blood granulocytes stained with 5E8/CXCR2 FITC

Applications:

Applications:	Flow Cytometry
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 microL to 5 microL per test**. Please check your vial or your CoA to find the suggested use of this reagent per million cells in 100 microL staining volume or per 100 microL 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, megakarocytes, 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.

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