

PE/Dazzle™ 594 anti-human/mouse CXCR7

Catalog # / Size: 2255590 / 100 tests
2255585 / 25 tests

Clone: 8F11-M16

Isotype: Mouse IgG2b, κ

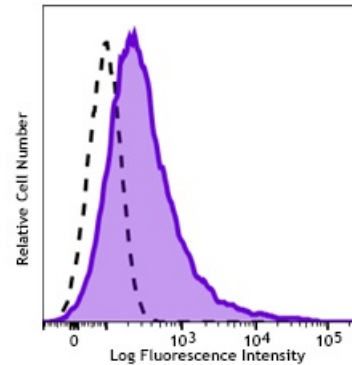
Immunogen: Human CXCR7 transfectant

Reactivity: Human, Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE/Dazzle™ 594 under optimal conditions.

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

Concentration: lot-specific



hCXCR7 transfected L5178Y cells were stained with CXCR7 (clone 8F11-M16) (filled histogram) PE/Dazzle™ 594 (filled histogram) or mouse IgG2b, κ PE/Dazzle™ 594 isotype control (open histogram).

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

* PE/Dazzle™ 594 has a maximum excitation of 566 nm and a maximum emission of 610 nm.

Application Notes: Additional reported applications (for the relevant formats) include: Intracellular staining for flow cytometry.²

- Application References:**
1. Soehnlein O, *et al.* 2013. *EMBO Mol. Med.* 5:471. (FC) [PubMed](#)
 2. Saad ST, *et al.* 2014. *PLoS One* 9(1). (ICFC) [PubMed](#)
 3. Balabanian K, *et al.* 2012. *J. Transl. Med.* 10:251. (FC) [PubMed](#)

Description: CXCR7, also known as RDC1, belongs to a subgroup of C-X-C chemokine receptors, which are part of a large protein family of G protein-coupled receptors (GPCR). CXCR7 binds with high-affinity to CXCL12/SDF-1 and CXCL11/I-TAC, which regulates the trafficking and activation of leukocytes. It is also a co-receptor for the entry of HIV-1. Binding of ligand to CXCR7 induces proliferation and migration of immature neurons, glia and their precursors. CXCR7 expression occurs on a wide variety of tissues and cells including monocytes, B cells, T cells and mature dendritic cells. Surface expression of CXCR7 was also reported to be on tumor cells, activated endothelial cells, fetal liver cells, and other cell types.

- Antigen References:**
1. Burns JM, *et al.* 2006. *J. Exp. Med.* 203:2201.
 2. Infantino S, *et al.* 2006. *J. Immunol.* 176:2197.