

APC anti-human CXCR7

Catalog # / Size: 2557030 / 100 tests
2557025 / 25 tests

Clone: 10D1-J16

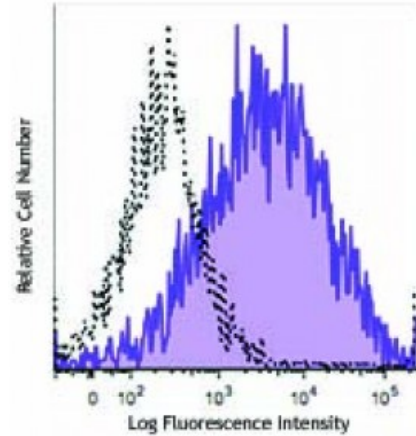
Isotype: Mouse IgG2a, κ

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).

Concentration: Lot-specific



CXCR7 transfected L1.2 cells were stained with CXCR7 (clone 10D1-J16) APC (filled histogram) or mouse IgG2a, κ APC 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 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

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 a 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. The binding of a 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 has been also reported in tumor cells, activated endothelial cells, and fetal liver cells.

Antigen References:

1. Torossian F, *et al.* 2014. *Blood* 123:191.
2. Walentowicz-Sadlecka M, *et al.* 2014. *PLoS One* 1:e84629.
3. Yates TJ, *et al.* 2013. *Cancer* 119:61.
4. Burns JM, *et al.* 2006.