

LEAF™ Purified anti-mouse CD183 (CXCR3)

Catalog # / Size: 126509 / 50 µg
126517 / 500 µg

Clone: CXCR3-173

Isotype: Armenian Hamster IgG

Immunogen: Mouse N-terminus of CXCR3

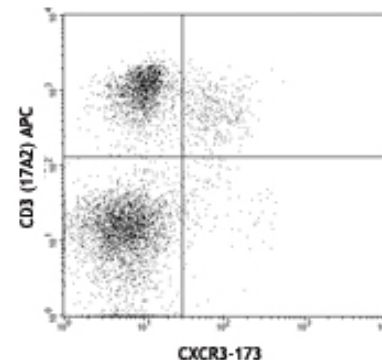
Reactivity: Mouse

Preparation: The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

Formulation: 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

Concentration: 1.0 mg/ml

Storage: The CD183 antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.



C57BL/6 splenocytes stained with purified CXCR3-173, followed by anti-Armenian hamster IgG FITC and anti-mouse CD3 (17A2) APC

Applications:

Applications: FC - *Quality tested*
Block - *Reported in the literature*

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 ≤0.25 µg per million 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: Clone CXCR3-173 does not work for western blot.⁷ The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for blocking (Cat. No. 126517). For *in vivo* studies or highly sensitive assays, we recommend Ultra-LEAF™ purified antibody (Cat. No. 126526) with a lower endotoxin limit than standard LEAF™ purified antibodies (Endotoxin <0.01 EU/µg).

Application References:

1. Krug A, *et al.* 2002. *J. Immunol.* 169:6079.
2. McAleer JP, *et al.* 2009. *J. Immunol.* 182:5322. PubMed
3. Sharma R. 2009. *J. Immunol.* 183:3212. (FC) PubMed
4. Barbi J, *et al.* 2009. *FASEB J.* 23:3990. PubMed
5. Kimpfler S, *et al.* 2009. *J. Immunol.* 183:6330. PubMed
6. Dürr C, *et al.* 2010. *Cancer Res.* 70:10170. (Block) PubMed
7. Uppaluri R, *et al.* 2008. *Transplantation* 86:137.

Description: CD183, also known as CXCR3, is a member of the C-X-C chemokine family, characterized by a pair of cysteine residues separated by a single amino acid. CXCR3 is a 38 kD seven pass transmembrane receptor coupled to G-protein. It mediates Ca²⁺ mobilization and chemotaxis in response to C-X-C chemokines, such as IP10 (CXCL10), MIG (CXCL9), I-TAC (CXCL11) and PF4 (CXCL4). CXCR3 is expressed primarily on activated T lymphocytes, NK cells, and some epithelial cells and endothelial cells. It is not expressed on B cells, monocytes or granulocytes.

Related Products:	Product	Clone	Application
	LEAF™ Purified Armenian Hamster IgG Isotype Ctrl	HTK888	FC, ICFC, WB, IP, ICC, IF, FA
	Cell Staining Buffer		FC, ICC, ICFC
	RBC Lysis Buffer (10X)		FC, ICFC



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