

PerCP/Cyanine5.5 Anti-Mouse CD183/CXCR3 Antibody[CXCR3-173]

Catalog Number: E-AB-F1114J

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

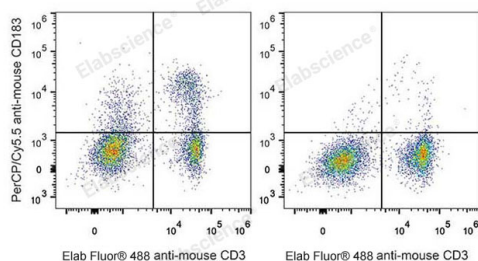
Reactivity	Mouse
Host	Armenian Hamster
Isotype	Armenian Hamster IgG
Clone No.	CXCR3-173
Isotype Control	PerCP/Cyanine5.5 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852J]
Conjugation	PerCP/Cyanine 5.5
Conjugation Information	PerCP/Cyanine5.5 is designed to be excited by the blue laser (488 nm) and detected using an optical filter centered near 675 nm (e.g., a 690/50 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

Applications

Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 µL of antibody per test (million cells in 100 µL staining volume or per 100 µL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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Data



C57BL/6 murine splenocytes are stained with PerCP/Cyanine5.5 Anti-Mouse CD183/CXCR3 Antibody and Elab Fluor® 488 Anti-Mouse CD3 Antibody (Left). Splenocytes stained with Elab Fluor® 488 Anti-Mouse CD3 Antibody (Right) are used as control.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	C-X-C chemokine receptor type 3;CD183/CXCR3;CXC-R3;CXCR-3;Cxc3;IP-10 receptor;Interferon-inducible protein 10 receptor
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For Research Use Only

Uniprot ID

O88410

Gene ID

12766

Background

CD183/CXCR3, 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 Ca^{2+} 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.

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