

APC Anti-Mouse CD183/CXCR3 Antibody[CXCR3-173]

Catalog Number: E-AB-F1114UE

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

Description

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|--------------------------------|--|
| Reactivity | Mouse |
| Host | Armenian Hamster |
| Isotype | Armenian Hamster IgG |
| Clone No. | CXCR3-173 |
| Isotype Control | APC Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09853E] |
| Conjugation | APC |
| Conjugation Information | APC is designed to be excited by the Red (627-640 nm) laser and detected using an optical filter centered near 660 nm (e.g., a 660/20 nm bandpass filter). |
| Storage Buffer | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA. |

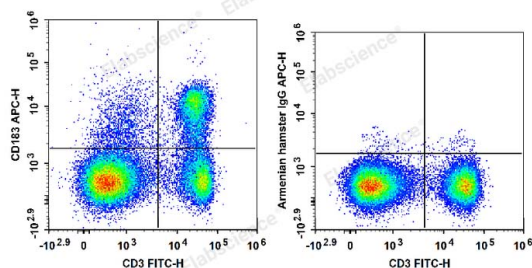
Applications

Recommended usage

FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 $\mu\text{g}/10^6$ cells in 100 μL volume].

Data



C57BL/6 murine splenocytes are stained with FITC Anti-Mouse CD3 Antibody and APC Anti-Mouse CD183/CXCR3 Antibody (Left). Splenocytes are stained with FITC Anti-Mouse CD3 Antibody and APC Armenian Hamster IgG Isotype Control (Right).

Preparation & Storage

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|-----------------|---|
| 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

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|------------------------|---|
| Alternate Names | C-X-C chemokine receptor type 3;CD183/CXCR3;CXC-R3;CXCR-3;Cxcr3;IP-10 receptor;Interferon-inducible protein 10 receptor |
| Uniprot ID | O88410 |

For Research Use Only

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 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.