

## PE Anti-Mouse CD183/CXCR3 Antibody[CXCR3-173]

Catalog Number: E-AB-F1114D

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

### Description

|                                |   |
|--------------------------------|---|
| <b>Reactivity</b>              | Mouse   |
| <b>Host</b>                    | Armenian Hamster  |
| <b>Isotype</b>                 | Armenian Hamster IgG  |
| <b>Clone No.</b>               | CXCR3-173   |
| <b>Isotype Control</b>         | PE Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852D]   |
| <b>Conjugation</b>             | PE  |
| <b>Conjugation Information</b> | PE is designed to be excited by the Blue (488 nm), Green (532 nm) and Yellow-Green (561 nm) lasers and detected using an optical filter centered near 575 nm (e.g., a 585/42 nm bandpass filter). |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% sodium azide and 1% BSA.  |

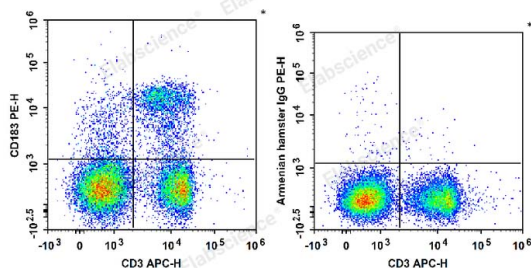
### Applications

### Recommended usage

FCM

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

### Data



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

### Preparation & Storage

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

### Antigen Information

|                        |  |
|------------------------|--|
| <b>Alternate Names</b> | C-X-C chemokine receptor type 3;CD183/CXCR3;CXC-R3;CXCR-3;Cxc3;IP-10 receptor;Interferon-inducible protein 10 receptor |
|------------------------|--|

### 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<sup>2+</sup> 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.