

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

**Catalog Number:** GFH1114UD

**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-F09853D]                                                                                                                               |
| <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.                                                                                                                               |

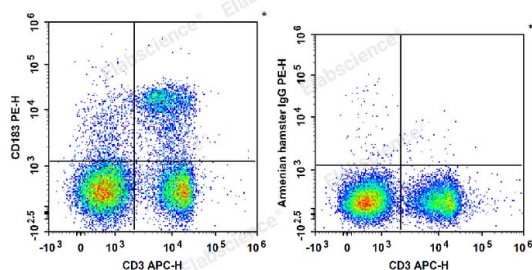
### Applications

### 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 µg/10<sup>6</sup> cells in 100 µL volume].

### 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

**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.