

## PE/Cyanine7 Anti-Mouse CD183/CXCR3 Antibody[CXCR3-173]

|                    |                                            |                     |       |
|--------------------|--------------------------------------------|---------------------|-------|
| <b>Catalog No.</b> | E-AB-F1114H                                | <b>Reactivity</b>   | Mouse |
| <b>Storage</b>     | Store at 2~8°C, Avoid freeze / thaw cycles | <b>Applications</b> | FCM   |

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

### Antigen Information

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Alternate Names</b> | C-X-C chemokine receptor type 3,Cxcr3,CXC-R3,CXCR-3,Interferon-inducible protein 10 receptor,IP-10 receptor,CD183/CXCR3                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Uniprot ID</b>      | O88410                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Background</b>      | 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. |

### Product Details

|                                |                                                                                                                                                                            |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form</b>                    | Liquid                                                                                                                                                                     |
| <b>Size</b>                    | 50Tests/100Tests/100Tests×2                                                                                                                                                |
| <b>Clone No.</b>               | CXCR3-173                                                                                                                                                                  |
| <b>Host</b>                    | Armenian Hamster                                                                                                                                                           |
| <b>Isotype</b>                 | Armenian Hamster IgG                                                                                                                                                       |
| <b>Reactivity</b>              | Mouse                                                                                                                                                                      |
| <b>Application</b>             | FCM                                                                                                                                                                        |
| <b>Isotype Control</b>         | <a href="#">PE/Cyanine7 Armenian Hamster IgG Isotype Control[PIP] [Product E-AB-F09852H]</a>                                                                               |
| <b>Storage Buffer</b>          | Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.                                                                                |
| <b>Shipping</b>                | Biological ice pack at 4 °C                                                                                                                                                |
| <b>Stability &amp; Storage</b> | Keep as concentrated solution.<br>Store at 2~8°C and protected from prolonged exposure to light.Do not freeze.<br>This product is guaranteed up to one year from purchase. |

### For Research Use Only

## Fluorophore

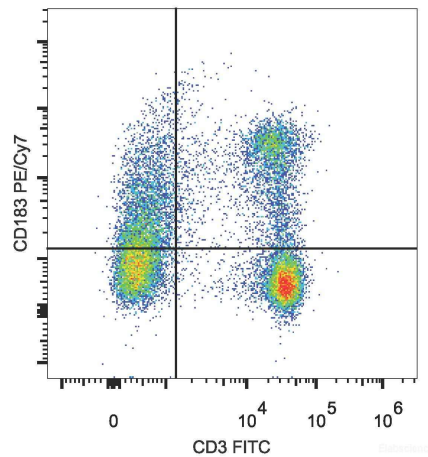
**Conjugation:** PE/Cyanine7

PE/Cyanine7 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 775 nm (e.g., a 780/60 nm bandpass filter).

## Recommended usage

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.

## Product data



C57BL/6 murine splenocytes are stained with PE/Cyanine7 Anti-Mouse CD183/CXCR3 Antibody and FITC Anti-Mouse CD3 Antibody.

## Related Information

1. Sample Preparation for Flow Cytometry <https://www.elabscience.com/List-detail-5594.html>
2. Staining Cell Surface Targets for Flow Cytometry <https://www.elabscience.com/List-detail-5568.html>
3. Flow Cytometry Troubleshooting Tips <https://www.elabscience.com/List-detail-5593.html>
4. How to select the appropriate detection channel through the spectrogram? <https://www.elabscience.com/List-detail-459742.html>