

## Technical Data Sheet

### Anti-Human CD184 (CXCR4)

**Catalog Number:** 110201, 110202

**Size:** 100 ug, 500 ug

**Target Name:** CD184, CXCR4

**Regulatory Status:** RUO

#### Product Details

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**Clone:** 184AM1

**Application:** FC

**Reactivity:** Human

**Format:** Purified

**Isotype:** Mouse IgG1

**Antibody Type:** Monoclonal

**Formulation:** Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide

**Protein Concentration:** 0.5 mg/mL

**Storage&Handling:** The antibody solution should be stored between 2°C and 8°C

**Recommended Usage:** For flow cytometric staining, it is recommended to use less than 0.25 ug of this reagent per 0.5-1.0 million cells in a 100 µL volume. Optimal reagent performance should be determined by titration for each specific application

**Release Date:** Nov-25

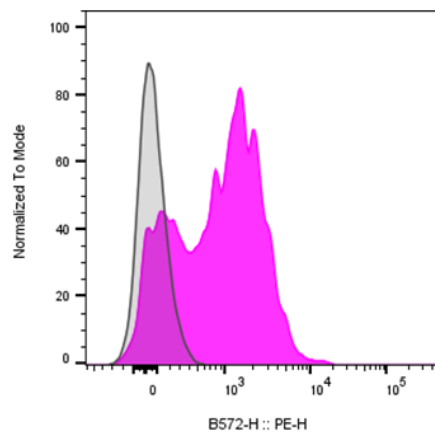
#### Background Information

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CD184 (CXCR4, Fusin) is a 45-kDa, seven-transmembrane G-protein–coupled CXC chemokine receptor widely expressed on blood and tissue cells, including B and T cells, monocytes, macrophages, dendritic cells, granulocytes, megakaryocytes/platelets, endothelial and epithelial cells, astrocytes, and neurons. It serves as the receptor for the chemokine SDF-1/CXCL12, regulating cell migration, B lymphopoiesis, myelopoiesis, cardiogenesis, vascular development, and cerebellar formation. CD184 also functions as a co-receptor for X4 HIV-1 entry and as an alternative receptor for certain HIV-2 isolates.

#### Product Data

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Human peripheral blood lymphocytes stained either purified Anti-Human CD184 (CXCR4) clone 184AM1 (color-filled histogram) or an isotype control (gray histogram), followed by PE anti-mouse IgG.