

Technical Data Sheet

Anti-Human CD184 (CXCR4)

Catalog Number: 111401, 111402

Size: 100 ug, 500 ug

Target Name: CD184, CXCR4

Regulatory Status: RUO

Product Details

Clone: 184AR1

Application: FC

Reactivity: Human

Format: Purified

Isotype: Rat IgG1

Antibody Type: Monoclonal

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

Protein Concentration: 0.5 mg/mL

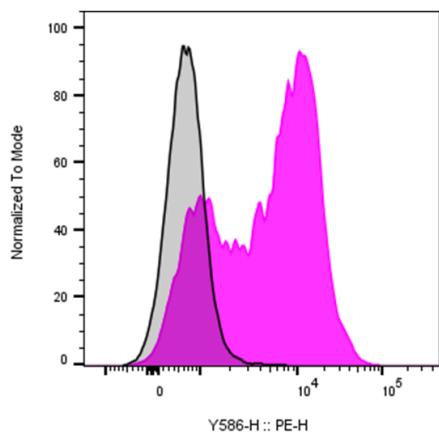
Storage&Handling: The antibody solution should be stored between 2°C and 8°C

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

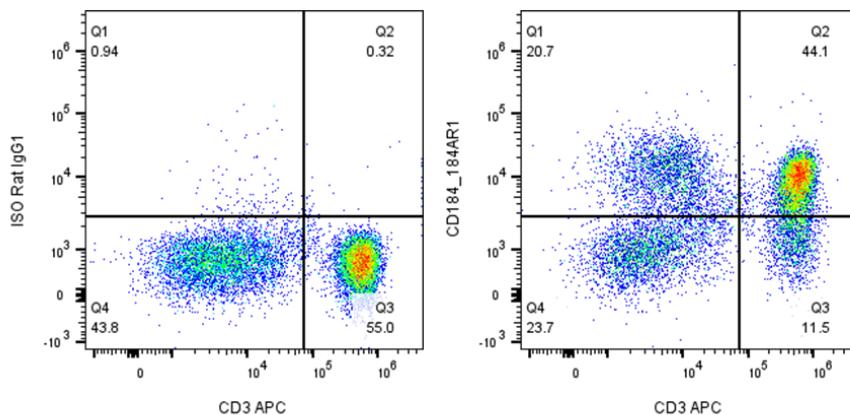
Background Information

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



Human peripheral blood lymphocytes was stained with purified Anti-Human CD184 (CXCR4) clone 184AR1 (color-filled histogram) or an isotype control (gray histogram), followed by PE conjugated anti-rat IgG antibody.



Human peripheral blood lymphocytes was co-stained with APC anti-human CD3 and either Anti-Human CD184 (CXCR4) clone 184AR1 (right panel) or an isotype control (left panel).