

30-2941FITC: Anti-Human CD183 Monoclonal Antibody FITC Conjugated (Clone: rHIQB005)

Clonality :	Monoclonal
Clone Name :	rHIQB005
Application :	FACS
Reactivity :	Human
Conjugate :	FITC
Gene :	CXCR3
Gene ID :	2833
Uniprot ID :	P49682
Alternative Name :	CXCR3, fusin, CKR-L2, CMKAR3, GPR9, IP10-R, MIG-R
Isotype :	Mouse IgG1

Description

Specificity: The recombinant mouse monoclonal antibody rHIQB005 recognizes an extracellular epitope on human chemokine receptor CD184.

Background: CD184 is a 7-transmembrane G-protein coupled receptor for the C-X-C chemokines SDF-1 (CXCL12), MIG (CXCL9) and IP10 (CXCL10). Alternatively spliced variant CD184B serves as the high affinity receptor for PF4 (CXCL4). CD184 is expressed in hematopoietic cells, vascular endothelium, and neural tissue. It plays important roles in endothelial vascularization and central nervous system development. It can also serve as a primary receptor or a coreceptor for some HIV isolates. CD184 signaling leads to integrin activation, cytoskeletal changes and chemotactic migration.

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Product Info

Amount :	100 tests
Purification :	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.
Content :	Formulation: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 4 μ l reagent / 100 μ l of whole blood or 10^6 cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.

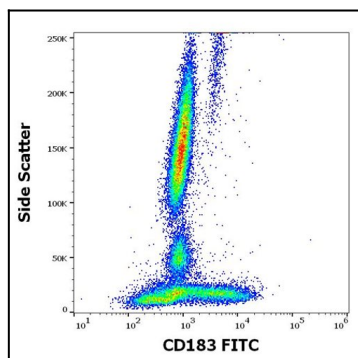


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD183 (rHIQB005) FITC antibody (concentration in sample 1.67 μ g/ml).

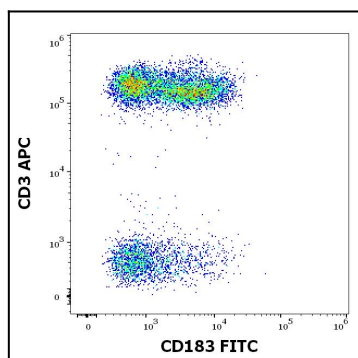


Figure 2: Flow cytometry multicolor surface staining pattern of human lymphocytes stained using anti-human CD3 (UCHT1) APC antibody (10 μ l reagent / 100 μ l of peripheral whole blood) and anti-human CD183 (rHIQB005) FITC antibody (concentration in sample 1.67 μ g/ml).

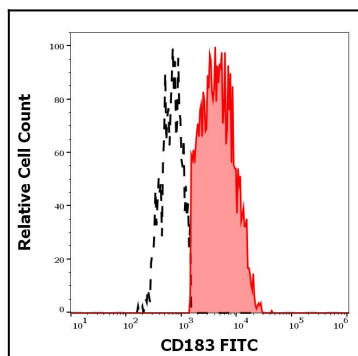


Figure 3: Separation of human CD3 positive CD183 positive T cells (red-filled) from CD3 negative CD183 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD183 (rHIQB005) FITC antibody (concentration in sample 1.67 μ g/ml).