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30-1509-B: Anti-CD195 / CCR5 Monoclonal Antibody (Clone:T21/8) Biotin Conjugated

Clonality :	Monoclonal
Clone Name :	T21/8
Application :	ICC,FACS
Reactivity :	Human
Conjugate :	Biotin
Gene :	CCR5
Gene ID :	1234
Uniprot ID :	P51681
Alternative Name :	CCR5,CMKBR5
Isotype :	Mouse IgG1 kappa
Immunogen Information :	CCR5 peptide (Met1-Lys22) KLH conjugate

Description

Specificity: The mouse monoclonal antibody T21/8 recognizes an extracellular epitope on the N-teminus of CD195, an approximately 45 kDa G-protein coupled receptor 1 family protein expressed on resting T cells, monocytes, macrophages, and immature dendritic cells.

Description: CD195 / CCR5 (also known as CKR-5) is a receptor for inflammatory CC-chemokines (characterized by a pair of adjacent cysteine residues), such as MIP-1 alpha, MIP-1 beta, or RANTES. It is a G protein-associated seven-pass transmembrane protein expressed on resting T cells with memory/effector phenotype, monocytes, macrophages and immature dendritic cells. This chemokine receptor regulates the activation and directed migration of leukocytes. Importantly, along with CD4, CD195 / CCR5 functions as a major receptor for HIV. Their ligand is the viral glycoprotein gp120.

Product Info

Amount :	0.1 mg
Purification :	Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.
Content :	Formulation: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-5 µg/ml

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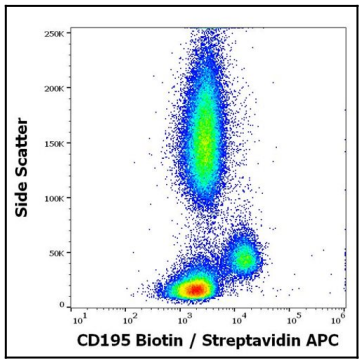


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD195 (T21/8) biotin antibody (concentration in sample 5 µg/ml, Streptavidin APC).

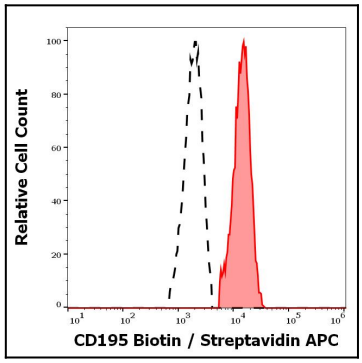


Figure 2: Separation of human monocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD195 (T21/8) biotin antibody (concentration in sample 5 µg/ml, Streptavidin APC).

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