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30-1809: Anti-CD195 / CCR5 Monoclonal Antibody (Clone:T21/8)-APC Conjugated

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

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 :	100 tests
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

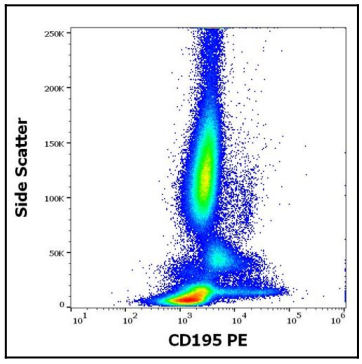


Figure 1: Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD195 (T21/8) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

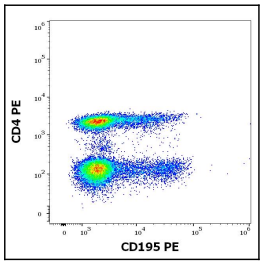


Figure 2: Flow cytometry multicolor surface staining pattern of human lymphocytes stained using anti-human CD4 (MEM-241) PE antibody (20 µl reagent / 100 µl of peripheral whole blood) and anti-human CD195 (T21/8) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

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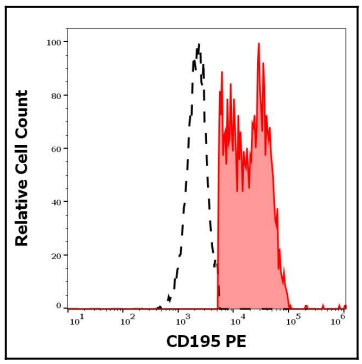


Figure 3: Separation of human CD195 positive CD4 negative lymphocytes (red-filled) from CD195 negative CD4 positive lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD195 (T21/8) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).

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