

Mouse anti-Human CD195 Monoclonal Antibody | anti-CD195 antibody

Mouse Anti Human CD195: RPE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA50383	Mouse	Human	Flow Cytometry, Functional Assay

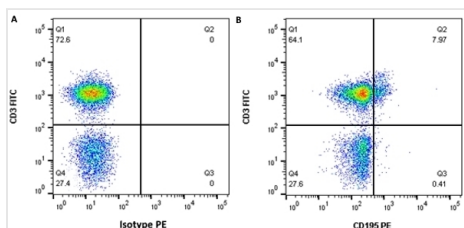
PRODUCT SYNONYMS

CD195; Monoclonal Antibody; Mouse Anti Human CD195: RPE; CD195 antibody; T21/8; anti-CD195 antibody

PRODUCT SPECIFICATIONS

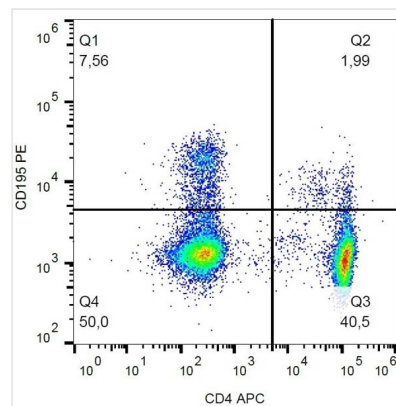
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	T21/8
Purity/Purification	>95% by SDS PAGE Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant.
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - Liquid
Sequence Length	352
Applicable Applications for anti-CD195 antibody	FCM/FACS (Flow Cytometry)
Immunogen	CCR5 peptide (Met1-Lys22) KLH conjugate
Preservative Stabilizers	<0.1% Sodium Azide (NaN3) 0.2% Bovine Serum Albumin
Buffer Solution	Phosphate Buffered Saline
Preparation and Storage	Store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light.

IMAGES



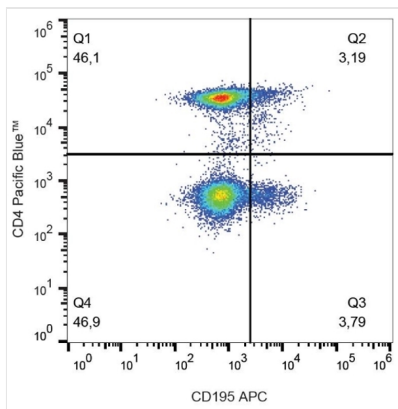
Application Data

Figure A. FITC conjugated Mouse anti Human CD3 and RPE conjugated mouse IgG1 isotype control. Figure B. FITC conjugated Mouse anti Human CD3 and RPE conjugated Mouse anti Human CD195. All experiments were performed on human peripheral blood lymphocytes blocked with 10% human serum, gated on live single cell lymphocytes. Data acquired on the ZE5 Cell Analyzer.



Application Data

Surface Staining of human peripheral blood with Mouse anti Human CD195:RPE



Application Data

Surface Staining of human peripheral blood with Mouse anti Human CD195:APC

ADDITIONAL INFORMATION

Related Product Information for anti-CD195 antibody

Mouse anti Human CD195, clone T21/8 recognizes CD195 also known as C-C chemokine receptor 5 (CCR5) which belongs to the GPCR protein family and plays a role in inflammation by targeting cells to sites of inflammation. CD195 is expressed in a range of hematopoietic cells including macrophages, dendritic cells and memory T cells. It is also expressed by non-hematopoietic cells including vascular smooth muscle cells and astrocytes (Barmania &Pepper 2013).

During inflammation CD195 expression is upregulated in CD8+ cells, allowing the cells to migrate to sites with CD4+ T cell and dendritic cell interactions (Castellino et al. 2006). An additional well characterized feature of CD195 is its role as an essential co-receptor for macrophage tropic HIV strains, allowing the virus to enter the target cell during initial infection (Dragic et al. 1996).

This clone T28/1 has been used in flow cytometry experiments to examine expression levels in CD195 overexpressing PM1 cells. These cells were then used to examine the effect of CD195 expression levels on HIV infections (Monde et al. 2007).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502639
NCBI GeneID	1234
NCBI Accession #	NP_000570.1
NCBI GenBank Nucleotide #	NP_000570.1
UniProt Accession #	P51681
NCBI Official Full Name	C-C chemokine receptor type 5
NCBI Official Synonym Full Names	C-C motif chemokine receptor 5
NCBI Official Symbol	CCR5
NCBI Official Synonym Symbols	CKR5; CCR-5; CD195; CKR-5; CCKR5; CMKBR5; IDDM22; CC-CKR-5
NCBI Protein Information	C-C chemokine receptor type 5
UniProt Protein Name	C-C chemokine receptor type 5
UniProt Gene Name	CCR5
UniProt Synonym Gene Names	CMKBR5; C-C CKR-5; CC-CKR-5; CCR-5; CCR5
UniProt Entry Name	CCR5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

