



Mouse Anti-CD5 antibody

SLM-33077M

Product Name CD5

Chinese Name CD5 单克隆抗体

Alias T-cell surface glycoprotein CD5; Lymphocyte antigen 1; Ly-1; Lyt-1; CD-5; CD5 antigen; CD 5; CD5 molecule; CD5 antigen (p56 62); CD5_HUMAN; LEU 1; LEU1; Ly12; LyA; Lymphocyte Antigen CD5; Lymphocyte antigen T1/Leu 1; Lymphocyte antigen T1/Leu-1; Lymphocyte glycoprotein T1/Leu1; OTTHUMP00000236973; p56 62; T1.

Research Area immunology Cell Surface Molecule t-lymphocyte

Immunogen Species Mouse

Clonality Monoclonal

Clone NO. 12A8

React Species Human

Applications WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1ug/Test
(Paraffin sections need antigen repair)
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

Theoretical molecular weight 55kDa

Cellular localization The cell membrane

Form Liquid

Concentration 1mg/ml

immunogen KLH conjugated synthetic peptide derived from human CD5

Lsotype IgG

Purification affinity purified by Protein G

Buffer Solution Human1M TBS(pH7.4) with 1% BSA, Human3% Proclin300 and 50% Glycerol.

Storage Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

Attention This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

PubMed

[PubMed](#)

This gene encodes a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. This protein also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq, Jul 2008]

Function:

May act as a receptor in regulating T-cell proliferation.

Subunit:

Interacts with CD72/LYB-2. Interacts with PTPN6/SHP-1.

Subcellular Location:

Cell membrane; Single-pass type I membrane protein.

**Product
Detail**

Post-translational modifications:

Phosphorylated on tyrosine residues by LYN; this creates binding sites for PTPN6/SHP-1.

Similarity:

Contains 3 SRCR domains.

SWISS:

P06127

Gene ID:

921

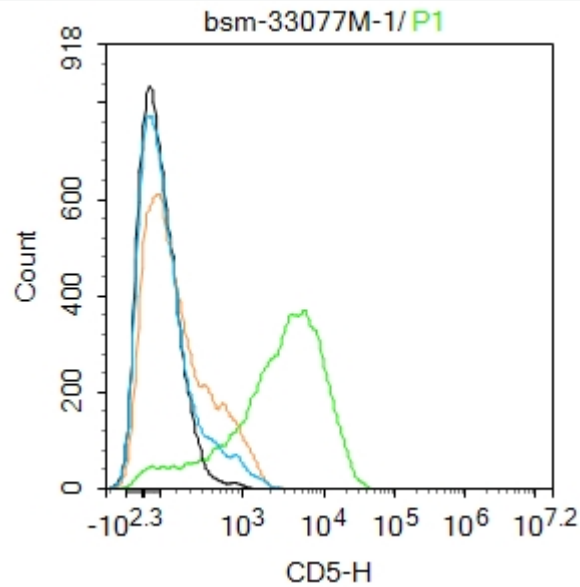
Database links:

[Entrez Gene: 921](#) Human

[Omim: 153340](#) Human

[SwissProt: P06127](#) Human

[Unigene: 58685](#) Human



**Product
Picture**

Blank control (black line) :Jurkat.

Primary Antibody (green line): Mouse Anti-CD5 antibody (SLM-33077M)

Dilution: 1ug/Test;

Secondary Antibody (white blue line) : Goat anti-mouse IgG-AF488

Dilution: 0.5ug/Test.

Isotype control (orange line) : Normal Mouse IgG

Protocol

The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

Acquisition of 20,000 events was performed.