



Rabbit Anti-CD72 antibody

SL2517R

Product Name:	CD72
Chinese Name:	CD72蛋白抗体
Alias:	B-cell differentiation antigen CD72; CD72b; LYB2; B cell differentiation antigen CD72; CD72 antigen; CD72 molecule; CD72c; Ly-19; Ly-32; Ly-m19; Lyb-2; Lyb2; LYB2, mouse, homolog of; Lymphocyte antigen 32; MGC108873; CD72_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1µg/TestIF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	40kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CD72:4-110/359
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	CD72 antigen is a member of the type II integral membrane glycoproteins which includes other related cell surface molecules such as the asialoglycoprotein receptors, CD23 and the Kupffer cell receptor. The function of CD72 is unknown but the exposure of B cells to CD72 antibodies activates a variety of signaling pathways and can induce MHC class II expression and B cell proliferation. CD72 antigen is expressed on all cells

of B cell lineage with the exception of plasma cells and weakly on human tissue macrophages.

Function:

Plays a role in B-cell proliferation and differentiation.

Subunit:

Homodimer; disulfide-linked. Associates with CD5. Interacts (tyrosine phosphorylated) with PTPN6/SHP-1 (By similarity).

Subcellular Location:

Membrane; Single-pass type II membrane protein.

Tissue Specificity:

Pre-B-cells and B-cells but not terminally differentiated plasma cells.

Post-translational modifications:

Phosphorylated upon engagement of the B-cell receptor, probably by LYN or SYK. Phosphorylation at Tyr-7 is important for interaction with PTPN6/SHP-1 (By similarity).

Similarity:

Contains 1 C-type lectin domain.

SWISS:

P21854

Gene ID:

971

Database links:

[Entrez Gene: 971](#)Human

[Omim: 107272](#)Human

[SwissProt: P21854](#)Human

[Unigene: 116481](#)Human

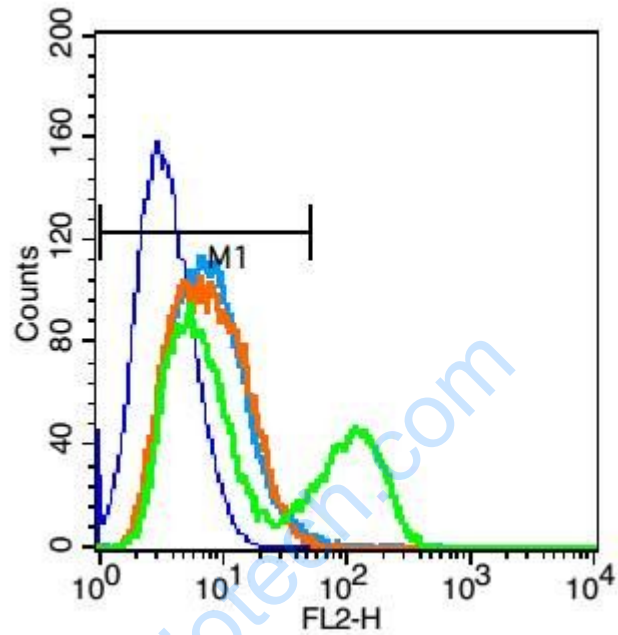
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

CD72是一个重要的B细胞特异性受体。属于II型膜内glycoprotein成员中的Cell Surface

Molecule非唾液酸glycoprotein受体, 虽然其分子功能目前还不清楚, 但目前发现CD72的多态性与多种Tumour有关。

Picture:



Blank control(blue):Raji cells (fixed with 2% paraformaldehyde (10 min)) .

Primary Antibody:Rabbit Anti- CD72 antibody(SL2517R), Dilution: 1 μ g in 100 μ L
1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions);

Secondary Antibody: Goat anti-rabbit IgG-PE(white blue), Dilution: 1:200 in 1 X
PBS containing 0.5% BSA.