



Rabbit Anti-CD84 antibody

SL2520R

Product Name:	CD84
Chinese Name:	CD84抗体
Alias:	SLAM family member 5; Cell surface antigen MAX.3; eukocyte differentiation antigen; Hly9 beta; Leukocyte Antigen; Leukocyte differentiation antigen CD84; LY9B; Signaling lymphocytic activation molecule 5; SLAM family member 5; SLAMF5; SLAF5 MOUSE.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000Flow-Cyt=1μg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	35kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse CD84:231-329/329
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:	This gene encodes a membrane glycoprotein that is a member of the signaling lymphocyte activation molecule (SLAM) family. This family forms a subset of the larger CD2 cell-surface receptor Ig superfamily. The encoded protein is a homophilic adhesion molecule that is expressed in numerous immune cells types and is involved in regulating receptor-mediated signaling in those cells. Alternate splicing results in

multiple transcript variants. [provided by RefSeq, Oct 2011]

Function:

Plays a role as adhesion receptor functioning by homophilic interactions and by clustering. Recruits SH2 domain-containing proteins SH2D1A/SAP. Increases proliferative responses of activated T-cells and SH2D1A/SAP does not seem to be required for this process. Homophilic interactions enhance interferon gamma/IFNG secretion in lymphocytes and induce platelet stimulation via a SH2D1A/SAP-dependent pathway. May serve as a marker for hematopoietic progenitor cells.

Subunit:

Homodimer; via its extracellular domain. Forms a head to tail dimer with a CD48 molecule from another cell. Interacts with SH2 domain-containing proteins SH2D1A/SAP and SH2D1B/hEAT-2. Interacts with tyrosine-protein phosphatases PTPN6 and PTPN11 via its phosphorylated cytoplasmic domain, and this interaction is blocked by SH2D1A.

Subcellular Location:

Cell membrane; Single-pass type I membrane protein.

Tissue Specificity:

Predominantly expressed in hematopoietic tissues such as lymph node, spleen, thymus, and bone marrow. Detected also in lung.

Post-translational modifications:

Phosphorylated by tyrosine-protein kinase LCK on tyrosine residues following ligation induced by agonist monoclonal antibody. The association with SH2D1A/SAP is dependent of tyrosines phosphorylation of its cytoplasmic domain Phosphorylated on Tyr-280 and Tyr-300 following platelet aggregation. N-glycosylated (By similarity).

Similarity:

Contains 1 Ig-like C2-type (immunoglobulin-like)

SWISS:

Q18PI6

Gene ID:

12523

Database links:

[Entrez Gene: 8832](#)Human

[Entrez Gene: 12523](#)Mouse

[Entrez Gene: 501872](#)Rat

[Omid: 604513](#)Human

[SwissProt: Q9UIB8](#)Human

[SwissProt: Q18PI6](#)Mouse

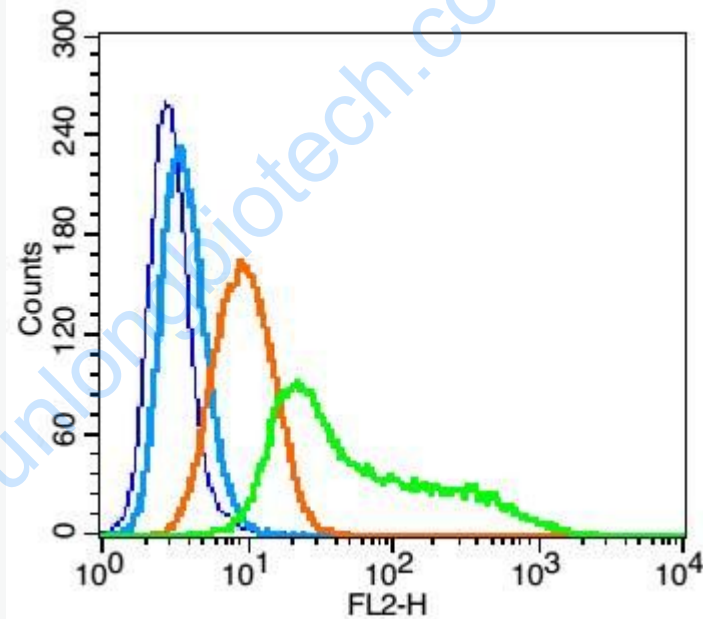
[Unigene: 398093](#)Human

[Unigene: 259115](#)Mouse

Important Note:

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

Picture:



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

Primary Antibody: Rabbit Anti- CD84 antibody(SL2520R), 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.
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