



Rabbit Anti-CD7 antibody

SL1520R

Product Name:	CD7
Chinese Name:	CD7抗体
Alias:	CD7; CD7 antigen (p41); CD7 molecule; CD7_HUMAN; T-cell antigen CD7; T-cell leukemia antigen; T-cell surface antigen Leu-9; CD 7; CD7 antigen; CD7 antigen p41; CD7 molecule; GP 40; GP40; LEU 9; LEU9; p41; p41 protein; T cell antigen CD7; T cell antigen CD7 precursor; T cell leukemia antigen; Tp 40; TP 41; Tp40; TP41.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	ELISA=1:500-1000Flow-Cyt=1µg/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	24kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CD7:181-240/240
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 transmembrane protein which is a member of the immunoglobulin superfamily. This protein is found on thymocytes and mature T cells. It plays an essential role in T-cell interactions and also in T-cell/B-cell interaction during early lymphoid development. [provided by RefSeq, Jul 2008]

Function:

Not yet known.

Subunit:

Interacts with SECTM1.

Subcellular Location:

Membrane; Single-pass type I membrane protein.

Similarity:

Contains 1 Ig-like (immunoglobulin-like) domain.

SWISS:

P09564

Gene ID:

924

Database links:

[Entrez Gene: 924](#)Human

[Entrez Gene: 12516](#)Mouse

[Olim: 186820](#)Human

[SwissProt: P09564](#)Human

[SwissProt: P50283](#)Mouse

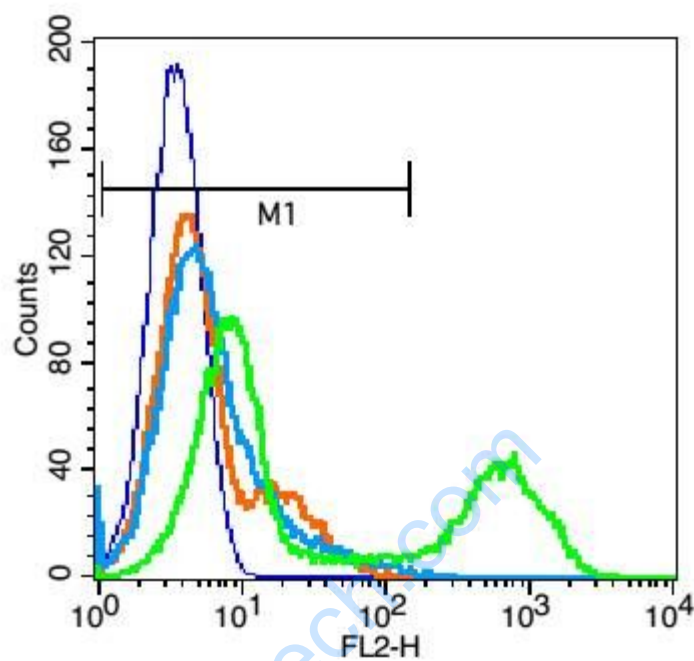
[Unigene: 36972](#)Human

[Unigene: 4100](#)Mouse

Important Note:

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

CD7是一种40kDa的glycoprotein, 为Ig超级基因家族的成员, 在绝大多数成熟与不成熟T细胞和T细胞白血病中表达, 但也表达于NK细胞、小部分正常B细胞和恶性B细胞。如T细胞其它标记物抗体无效, 可用CD7来鉴别原始T细胞Tumour如淋巴瘤母细胞白血病。



Blank control: Jurkat cells(blue).

Primary Antibody:Rabbit Anti-CD7 antibody(SL1520R), 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.

Protocol

The cells were fixed with 2% paraformaldehyde (10 min) . Primary antibody (SL1520R) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200

Picture:

	dilution for 30 min on ice. Acquisition of 20,000 events was performed.
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