SunLong Biotech Co.,LTD
Tel: 0086-571- 56623320 Fax:0086-571- 56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-CD81 antibody

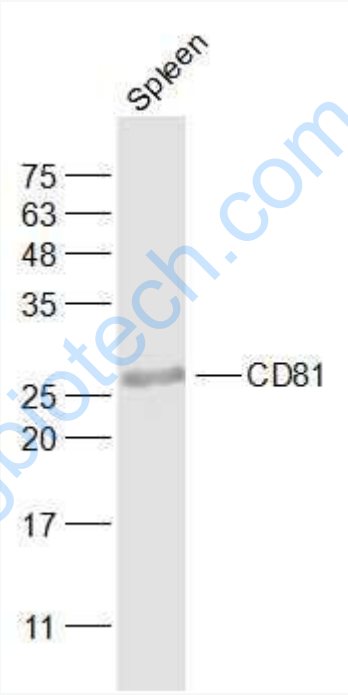
SL6934R

Product Name:	CD81
Chinese Name:	CD81抗体
Alias:	26 kDa cell surface protein TAPA 1; 26 kDa cell surface protein TAPA-1; 26 kDa cell surface protein TAPA1; CD 81; CD81; CD81 antigen; CD81 molecule; CD81_HUMAN; CVID6; S5.7; TAPA 1; Target of the antiproliferative antibody 1; Tetraspanin 28; Tetraspanin-28; Tetraspanin28; Tspan 28; Tspan-28; Tspan28.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg/TestIF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	26kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TAPA1/CD81:101-210/236<Extracellular>
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:	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate

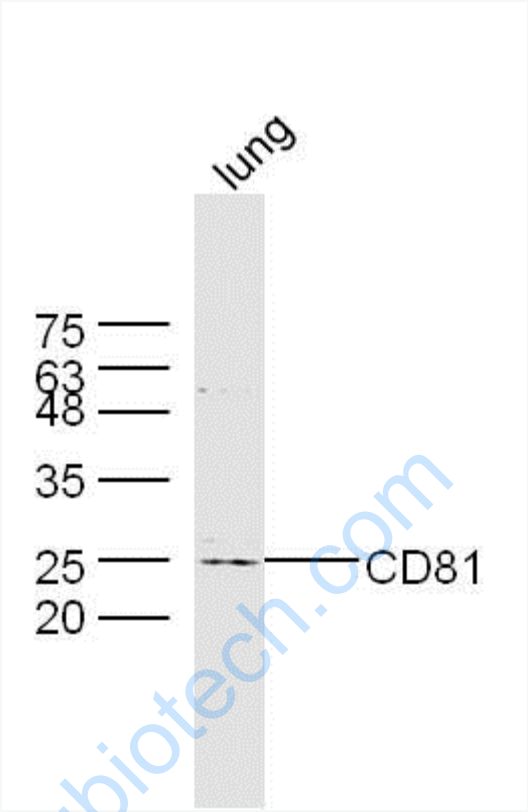
www.sunlongbiotech.com

	signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. [provided by RefSeq, Jul 2008]. **Function:** May play an important role in the regulation of lymphoma cell growth. Interacts with a 16-kDa Leu-13 protein to form a complex possibly involved in signal transduction. May acts a the viral receptor for HCV. **Subunit:** Plays a critical role in HCV attachment and/or cell entry by interacting with HCV E1/E2 glycoproteins heterodimer. Interacts directly with IGSF8. Interacts with CD53 and SCIMP. **Subcellular Location:** Membrane. **Tissue Specificity:** Hematolymphoid, neuroectodermal and mesenchymal tumor cell lines. **DISEASE:** Defects in CD81 are the cause of immunodeficiency common variable type 6 (CVID6); also called antibody deficiency due to CD81 defect. CVID6 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B cells is usually in the normal range, but can be low. **Similarity:** Belongs to the tetraspanin (TM4SF) family. **SWISS:** P60033 **Gene ID:** 975 **Database links:** Entrez Gene: 975Human Omim: 186845Human

www.sinobiotech.com

	SwissProt: P60033Human Unigene: 54457Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Sample: Spleen (Mouse) Lysate at 40 ug Primary: Anti-CD81? (SL6934R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 26 kD Observed band size: 26 kD

www.sunlongbiotech.com



Sample: Lung (Mouse) Lysate at 40 ug

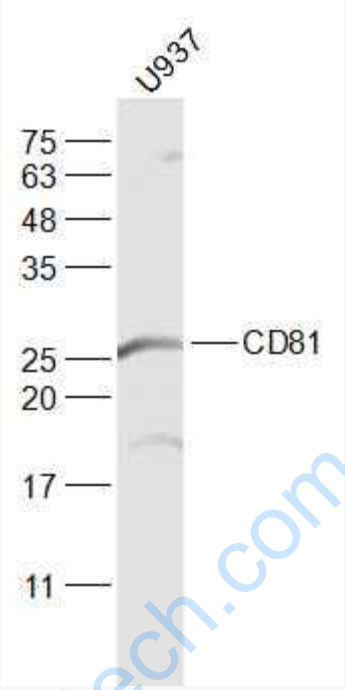
Primary: Anti-CD81 (SL6934R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 26 kD

Observed band size: 25 kD

www.sunlongbiotech.com



Sample:

U937(Human) Cell Lysate at 30 ug

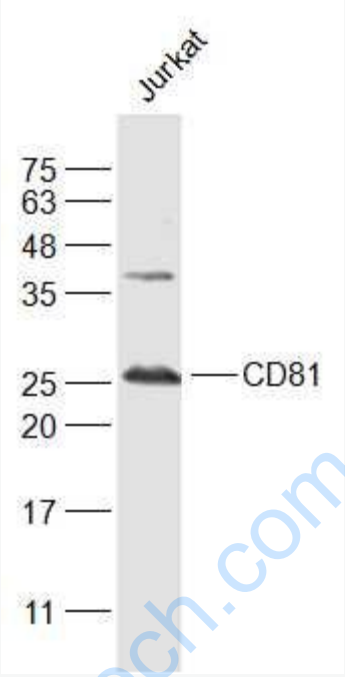
Primary: Anti-CD81 (SL6934R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 26 kD

Observed band size: 26 kD

www.sunlongbiotech.com



Sample:

Jurkat(Human) Cell Lysate at 30 ug

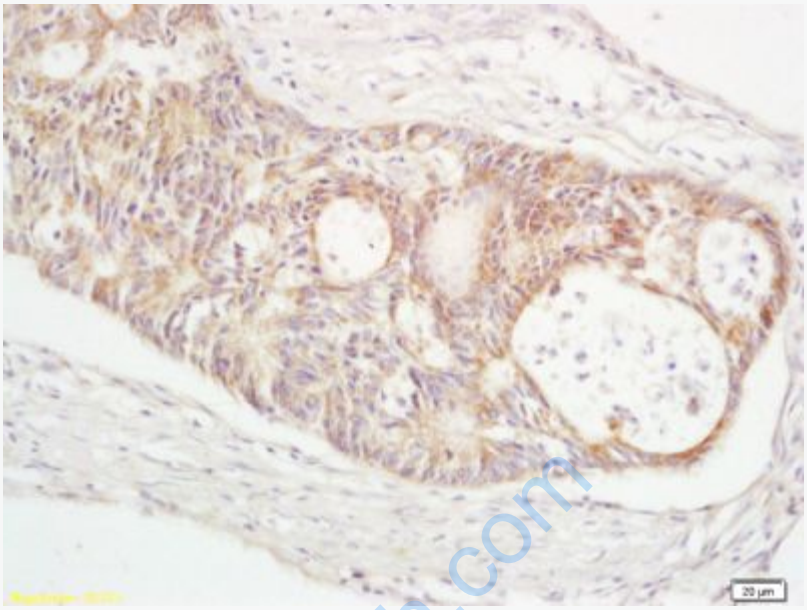
Primary: Anti-CD81? (SL6934R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 26 kD

Observed band size: 26 kD

www.sunlongbiotech.com

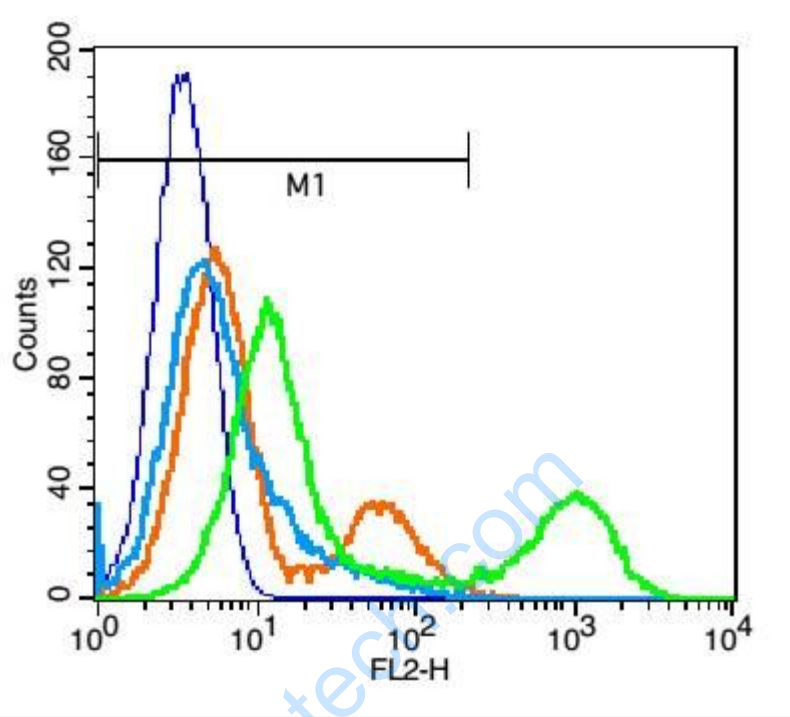


Tissue/cell: human rectal carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;

Incubation: Anti-TAPA1/CD81 Polyclonal Antibody, Unconjugated(SL6934R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

www.sunlongbiotech.com



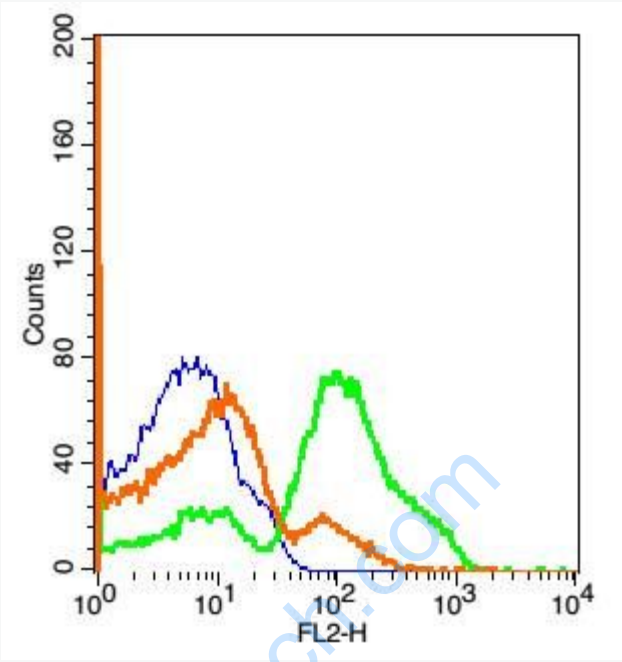
Blank control(blue): Jurkat cells(fixed with 2% paraformaldehyde (10 min)).

Primary Antibody:Rabbit Anti-CD81 antibody(SL6934R), Dilution: 1μg in 100 μL 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.

www.sunongbiotech.com



Blank control: Mouse Brain cells(blue).

Primary Antibody: Rabbit Anti- CD81 /PEConjugated antibody (SL6934R),

Dilution: 5μg in 100 μL 1X PBS containing 0.5% BSA;

Isotype Control Antibody: Rabbit IgG/PE(orange) ,used under the same conditions.

www.sunlongbiotech.com