



Rabbit Anti-Phospho-CD18 (Ser756) antibody

SL10461R

Product Name:	Phospho-CD18 (Ser756)
Chinese Name:	磷酸化整合素β2/Integrin β2抗体
Alias:	CD18 (Phospho Ser756); CD18 (Phospho-Ser756); CD18 (Phospho S756); p-CD18 (S756); p-CD18 (Ser756); Integrin beta 2; 95 subunit beta; CD 18; CD18; Cell surface adhesion glycoprotein LFA 1/CR3/P150,959 beta subunit precursor); Cell surface adhesion glycoproteins LFA 1/CR3/p150,95 subunit beta; Cell surface adhesion glycoproteins LFA-1/CR3/p150; Complement receptor C3 beta subunit; Complement receptor C3 subunit beta; Integrin beta chain beta 2; Integrin beta-2; Integrin, beta 2 (complement component 3 receptor 3 and 4 subunit); ITB2_HUMAN; ITGB2; LAD; LCAMB; Leukocyte associated antigens CD18/11A, CD18/11B, CD18/11C; Leukocyte cell adhesion molecule CD18; LFA 1; LFA1; Lymphocyte function associated antigen 1; MAC 1; MAC1; MF17; MF17; OTTHUMP00000115278; OTTHUMP00000115279; OTTHUMP00000115280; OTTHUMP00000115281; OTTHUMP00000115282.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,Guinea Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1μg/TestICC=1:100-500IF=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:	82kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human CD18 around the phosphorylation site of Ser756:FK(p-S)AT
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:	<p>The product of this gene belongs to the integrin beta chain family of proteins. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. This gene encodes the integrin beta chain beta 2. A given chain may combine with multiple partners resulting in different integrins. For example, beta 2 combines with the alpha L chain to form the integrin LFA-1, and combines with the alpha M chain to form the integrin Mac-1. Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Defects in this gene are the cause of leukocyte adhesion deficiency type I (LAD1). Two transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008].</p> <p>Function: Integrin alpha-L/beta-2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. Integrins alpha-M/beta-2 and alpha-X/beta-2 are receptors for the iC3b fragment of the third complement component and for fibrinogen. Integrin alpha-X/beta-2 recognizes the sequence G-P-R in fibrinogen alpha-chain. Integrin alpha-M/beta-2 recognizes P1 and P2 peptides of fibrinogen gamma chain. Integrin alpha-M/beta-2 is also a receptor for factor X. Integrin alpha-D/beta-2 is a receptor for ICAM3 and VCAM1. Triggers neutrophil transmigration during lung injury through PTK2B/PYK2-mediated activation.</p> <p>Subunit: Heterodimer of an alpha and a beta subunit. Beta-2 associates with either alpha-L, alpha-M, alpha-X or alpha-D. Interacts with FGR (By similarity). Interacts with COPS5 and RANBP9.</p> <p>Subcellular Location: Membrane; Single-pass type I membrane protein.</p> <p>Post-translational modifications: Both Ser-745 and Ser-756 become phosphorylated when T-cells are exposed to phorbol esters. Phosphorylation on Thr-758 (but not on Ser-756) allows interaction with 14-3-3 proteins.</p> <p>DISEASE: Leukocyte adhesion deficiency 1 (LAD1) [MIM:116920]: LAD1 patients have recurrent bacterial infections and their leukocytes are deficient in a wide range of adhesion-dependent functions. Note=The disease is caused by mutations affecting the gene represented in this entry.</p> <p>Similarity: Belongs to the integrin beta chain family. Contains 1 VWFA domain.</p>

SWISS:
P05107

Gene ID:
3689

Database links:

[Entrez Gene: 3689](#)Human

[Omin: 600065](#)Human

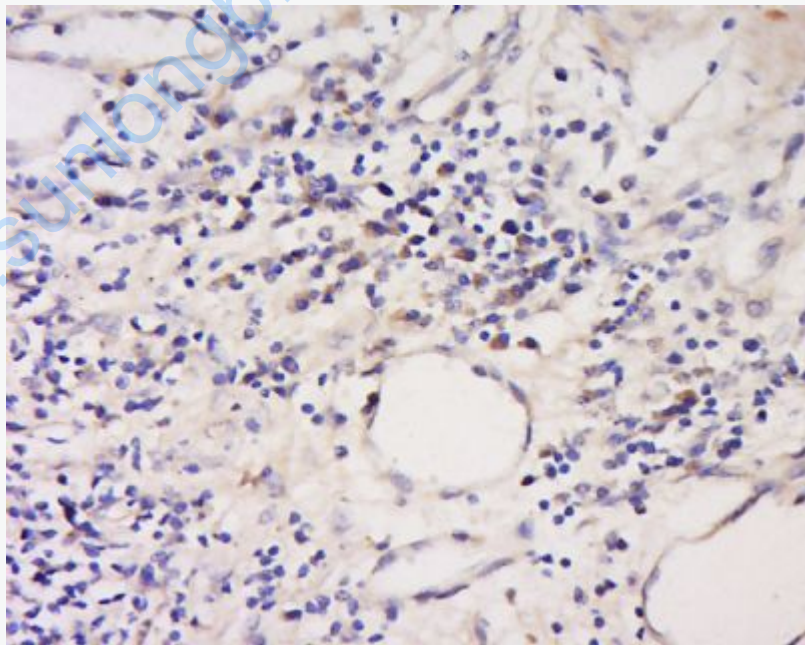
[SwissProt: P05107](#)Human

[Unigene: 375957](#)Human

Important Note:

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

Picture:

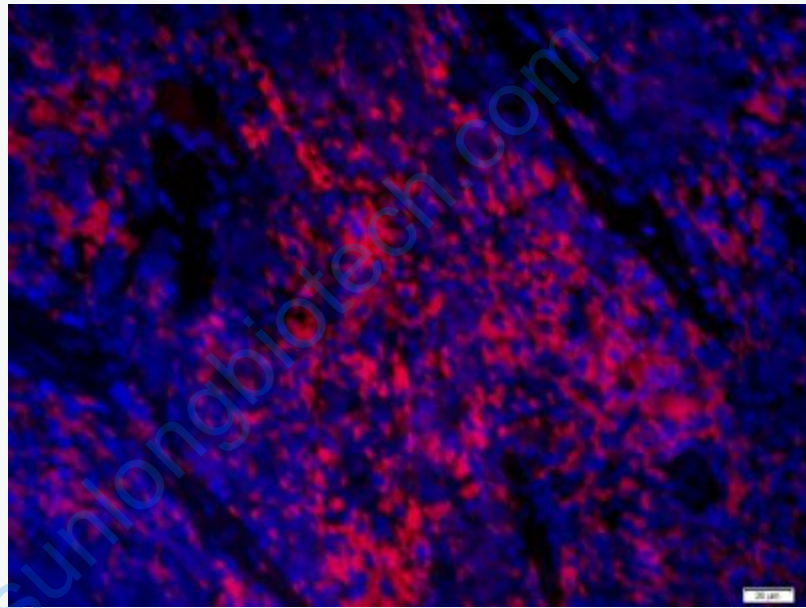


Tissue/cell: human colon cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;

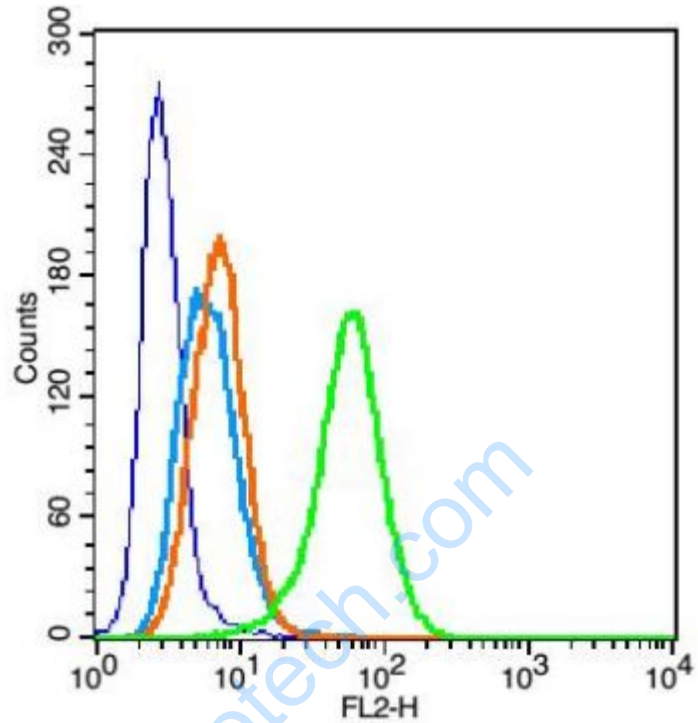
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block

endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-phospho-CD18 Polyclonal Antibody, Unconjugated(SL10461R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-CD18 (Ser756)) Polyclonal Antibody, Unconjugated (SL10461R) at 1:200 overnight at 4°C, followed by a conjugated secondary (SL10461R) at [1:200] for 90 minutes and DAPI staining of the nuclei.



Blank control(blue): U937 (fixed with 2% paraformaldehyde (10 min)).

Primary Antibody:Rabbit Anti- Phospho-CD18 (Ser756) antibody(SL10461R),

Dilution: 0.2 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.