



Rabbit Anti-CD18 antibody

SL0503R

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| Product Name: | CD18 |
| Chinese Name: | 整合素β2/Integrin β2抗体 |
| Alias: | Integrin beta 2; 95 subunit beta; CD 18; 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; MFI7; OTTHUMP00000115278; OTTHUMP00000115279; OTTHUMP00000115280; OTTHUMP00000115281; OTTHUMP00000115282. |
| 文献引用 PubMed : | <p>Specific References(1) SL0503R has been referenced in 1 publications.</p> <p>[IF=3.23]Chenna Narendra S, Chalise JP, Magnusson M, Uppugunduri S (2015) Local but Not Systemic Administration of Uridine Prevents Development of Antigen-Induced Arthritis. PLoS ONE 10(10): e0141863IHC-P;Mouse.</p> <p style="text-align: right;">PubMed:26512984</p> |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Pig,Cow,Horse,Sheep, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=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 |

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| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human Integrin beta 2:701-770/770 |
| 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. 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</p> |

gene represented in this entry.

Similarity:

Belongs to the integrin beta chain family.
Contains 1 VWFA domain.

SWISS:

P05107

Gene ID:

3689

Database links:

[Entrez Gene: 3689](#)Human

[Entrez Gene: 16414](#)Mouse

[Entrez Gene: 309684](#)Rat

[Omim: 600065](#)Human

[SwissProt: P05107](#)Human

[SwissProt: P11835](#)Mouse

[Unigene: 375957](#)Human

[Unigene: 1137](#)Mouse

[Unigene: 42962](#)Rat

Important Note:

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

LFA-

1 主要与除红细胞、血小板之外的人外周血各类白细胞反应, 与骨髓、胸腺、扁桃体细胞、某些Tumour细胞反应和表达。又称白细胞黏附蛋白。