

## 整合素 $\beta$ 2/Integrin $\beta$ 2 抗体

产品货号： mIR0503

英文名称： CD18

中文名称： 整合素  $\beta$  2/Integrin  $\beta$  2 抗体

别名： 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.

研究领域： 肿瘤 细胞生物 细胞粘附分子 细胞表面分子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Pig, Cow, Horse, Sheep,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 82kDa

细胞定位： 细胞膜

性状： Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human Integrin beta 2:701-770/770

亚 型 : IgG

纯化方法 : affinity purified by Protein A

储 存 液 : 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件 : 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

产品介绍 : 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].

#### 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.

#### 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.

**Subcellular Location:**

Membrane; Single-pass type I membrane protein.

**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.

**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.

**Similarity:**

Belongs to the integrin beta chain family.

Contains 1 VWFA domain.

**SWISS:**

P05107

**Gene ID:**

3689



**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、某些肿瘤细胞反应和表达。又称白细胞黏附蛋白。