

Product datasheet

Recombinant Human CD18 protein ab114283

★★★★★ 1 Abreviews 1 Image

Overview

Product name	Recombinant Human CD18 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Wheat germ

Amino Acid Sequence

Accession [P05107](#)

Species Human

Sequence MLGLRPPLLALVGLLSLGCVLSQECTKFKVSSCRECIESGPGCTWCQKLN
 FTGPGDPDSIRCDTRPQLLMRGCAADDIMDPTSLAETQEDHNGGQKQLSP
 QKVTLYLRPGQAAAFNVTFRRAKGYPIDLYLMDLSYSMLDDLNRNVKKG
 GDLLRALNEITESGRIGFGSFVDKTVLPFVNTHPDKLRNPCPNKEKECQP
 PFAFRHVLKLTNNSNQFQTEVGKQLISGNLDAPEGGLDAMMQVAACPPEI
 GWRNVTRLLVFATDDGFHFAGDGKLGAILTPNDGRCHLEDNLYKRSNEFD
 YPSVGQLAHKLAENNIQPIFAVTSRMVKTYEKLTEIIPKSAVGELSEDSS
 NVVHLIKNAYNKLSSRVFLDHNALPDTLKVTYDSFCSNGVTHRNPGRGDC
 DGVINVPITFQVKVTATECIEEQSFVIRALGFTDMTVQVLPQCECRCR
 DQSRDRSLCHGKGFLECGICRCDTG YIGKNCECQTQGRSSQELEGSCRKD
 NNSIICSLGDCVCGQCLCHTSDVPGKLIYQYCECDTINCERYNGQVCG
 GPGRGLCFGKCRCHPGFECSACQCERTTEGCLNPRRVECSGRGRRCRCNV
 CECHSGYQLPLCQECPGCSPCGKYISCAECLKFEKGPFKNCNSAACPL
 QLSNNPVKGRGRTCKERDSEGCWVAYTLEQQDGM DRYLIYVDESRECVAGPN
 IAAVGGTVAGVLIGILLVWKALIHLSDLREYRFEKEKLSQWNNND
 NPLFKSATTTVMNPKFAES

Molecular weight	111 kDa including tags
Amino acids	1 to 769

Specifications

Our [Abpromise guarantee](#) covers the use of **ab114283** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications

ELISA
SDS-PAGE
Western blot

Form

Liquid

Additional notes

Protein concentration is above or equal to 0.05 mg/ml.
This protein is best used within three months from the date of receipt.

Preparation and Storage**Stability and Storage**

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
pH: 8.00
Constituents: 0.79% Tris HCl, 0.3% Glutathione

General Info**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.

Involvement in disease

Defects in ITGB2 are the cause of leukocyte adhesion deficiency type 1 (LAD1) [MIM:116920]. LAD1 patients have recurrent bacterial infections and their leukocytes are deficient in a wide range of adhesion-dependent functions.

Sequence similarities

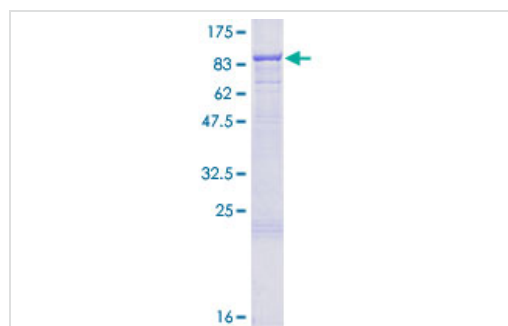
Belongs to the integrin beta chain family.
Contains 1 VWFA domain.

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.

Cellular localization

Membrane.

Images

12.5% SDS-PAGE analysis of CD18 protein (ab114283). Stained with Coomassie Blue.

SDS-PAGE - CD18 protein (ab114283)

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