

Product datasheet

Recombinant Human CD18 protein ab112311

1 Image

Description

<b>Product name</b>	Recombinant Human CD18 protein
<b>Expression system</b>	Wheat germ
<b>Accession</b>	<a href="#">P05107</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human

Sequence

MLGLRPPLLALVGLLSLGCALSQECTKFKVSSCRECIESG  
 PGCTWCQKLN  
 FTGPGDPDSIRCDTRPQLLMRGCAADDIMDPTSLAETQE  
 DHNGGQKQLSP  
 QKVTLYL RPGQAAAFNVTFRRAKGYPIDLYLMDLSYSML  
 DDLRNVKCLG  
 GDLLRALNEITESGRIGFGSFVDKTVLPFVNTHPKLRNPC  
 PNKEKECQP  
 PFAFRHVLKLTNNSNQFQTEVGKQLISGNLDAPEGGLDA  
 MMQVAACPEEI  
 GWRNVTRLLVFATDDGFHFAGDGKLGAILTPNDGRCHLE  
 DNLYKRSNEFD  
 YPSVGQLAHKLAENNIQPIFAVTSRMVKTYEKLTEIIPKSAV  
 GELSESS  
 NVVHLIKNAYNKLSSRVFLDHNALPDTLKVTYDSFCSNGV  
 THRNQPRGDC  
 DGVQINVPIITFQVKVTATECIQEQS FVIRALGFTDMTVQVL  
 PQCECRCR  
 DQSRDRSLCHGKGFLECGICRCDTGYIGKNCECQTQGRS  
 SQELEGSCRKD  
 NNSIICSLGDCVCGQCLCHTSDVPGKLIYGQYCECDTINC  
 ERYNGQVCG  
 GPGRGLCFGKCRCHPGFEGSACQCERTTEGCLNPRRV  
 ECSGRGRRCNV  
 CECHSGYQLPLCQCECPGCPSPCGKYISCAECLKFEKGPF  
 GKNCSAACPGL  
 QLSNNPVKGR TCKERDSEGCVWAYTLEQQDGM DRYLIY  
 DESRECVAGPN

IAAVGGTVAGVILIGILLVWKALIHLSDLREYRRFEKEKLLK  
SQWNND NPLFKSATTTVMNPKFAES

<b>Predicted molecular weight</b>	111 kDa including tags
<b>Amino acids</b>	1 to 769
<b>Tags</b>	GST tag N-Terminus

## Specifications

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Our [Abpromise guarantee](#) covers the use of **ab112311** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE Western blot ELISA
<b>Form</b>	Liquid

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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## General Info

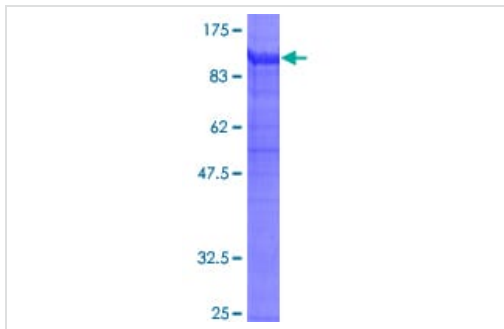
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<b>Function</b>	Integrin alpha-L/beta-2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. Integrins alpha-M/beta-2 and alpha-X/beta-2 are receptors for the iC3b fragment of the third complement component and for fibrinogen. Integrin alpha-X/beta-2 recognizes 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.
<b>Involvement in disease</b>	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.
<b>Sequence similarities</b>	Belongs to the integrin beta chain family. Contains 1 VWFA domain.
<b>Post-translational modifications</b>	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.
<b>Cellular localization</b>	Membrane.

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## Images

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12.5% SDS-PAGE showing ab112311 stained with Coomassie Blue.

SDS-PAGE - Recombinant Human CD18 protein  
(ab112311)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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