9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CD18 Human

CD18 Human Recombinant
CDA0016

Product Overview

Name	CD18 Human
Description	
CD18 Human Recombinant	
Accession (Primary)	P05107
Synonyms	
Integrin Subunit Beta 2, Integrin, Beta 2 (Complement Component 3 Receptor 3 And 4 Subunit), Complement Component 3 Receptor 3 And 4 Subunit, CD18, MFI7, Integrin, Beta 2 (Antigen CD18 (P95), Lymphocyte Function-Associated Antigen 1; Macrophage Antigen 1 (Mac-1) Beta Subunit), Cell Surface Adhesion Glycoprotein (LFA-1/CR3/P150,959 Beta Subunit Precursor), Cell Surface Adhesion Glycoproteins LFA-1/CR3/P150,95 Subunit Beta, Leukocyte-Associated Antigens CD18/11A, CD18/11B, CD18/11C, Leukocyte Cell Adhesion Molecule CD18, Complement Receptor C3 Beta-Subunit, Complement Receptor C3 Subunit Beta, Integrin Beta Chain, Beta 2, CD18 Antigen, LFA-1, MAC-1, LCAMB, MF17, LAD, CD18.	
Introduction	
CD18 (ITGB2 or integrin beta-2) is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. CD18 may be a member of an extended family of cell surface molecules including the fibronectin binding protein. In addition, CD18 is a complement receptor type 3 (CR3). CD18 triggers neutrophil transmigration during lung injury through PTK2B/PYK2-mediated activation.	
Source	
Sf9, Baculovirus cells.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
CD18 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	

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Amino acid sequence

QECTKFKVSS CRECIESGPG CTWCQKLNFT GPGDPDSIRC DTRPQLLMRG CAADDIMDPT SLAETQEDHN GGQKQLSPQK VTLYLRPGQA AAFNVTFRRA KGYPIDLYYL MDLSYSMLDD LRNVKKLGGD LLRALNEITE SGRIGFGSFV DKTVLPFVNT HPDKLRNPCP NKEKECQPPF AFRHVLKLTN NSNQFQTEVG KQLISGNLDA PEGGLDAMMQ VAACPEEIGW RNVTRLLVFA TDDGFHFAGD GKLGAILTPN DGRCHLEDNL YKRSNEFDYP SVGQLAHKLA ENNIQPIFAV TSRMVKTYEK LTEIIPKSAV GELSEDSSNV VQLIKNAYNK LSSRVFLDHN ALPDTLKVTY DSFCSNGVTH RNQPRGDCDG VQINVPITFQ VKVTATECIQ EQSFVIRALG FTDIVTVQVL PQCECRCRDQ SRDRSLCHGK GFLECGICRC DTGYIGKNCE CQTQGRSSQE LEGSCRKDNN SIICSGLGDC VCGQCLCHTS DVPGKLIYGQ YCECDTINCE RYNGQVCGGP GRGLCFCGKC RCHPGFEGSA CQCERTTEGC LNPRRVECSG RGRCRCNVCE CHSGYQLPLC QECPGCPSPC GKYISCAECL KFEKGPFGKN CSAACPGLQL SNNPVKGRTC KERDSEGCWV AYTLEQQDGM DRYLIYVDES RECVAGPN LE HHHHHH

Precautions

CD18 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P05107)