

32-13070: CD18 Human

Alternative Name :

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, MFI7, LAD, CD18.

Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

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.

CD18 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 686 amino acids (23-700 a.a.) and having a molecular mass of 75.9kDa (Migrates at 70-100kDa on SDS-PAGE under reducing conditions). CD18 is expressed with an 8 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 85.0% as determined by SDS-PAGE.

Content : CD18 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Storage condition : 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.

Amino Acid : QECTKFKVSS CRECIESGPG CTWCQKLNFT GPGDPDSIRC DTRPQLLMRG CAADDIMDPT SLAETQEDHN GGQKQLSPQK VTLYLRPGQA AAFNVTFRRA KGYPIDLYL MDLSYSMLDD LRNVKKGDD LRLALNEITE SGRIGFGSFV DKTVLPFVNT HPDKLRNCP NKEKECQPPF AFRHVLKLTN NSNQFQTEVG KQLISGNLDA PEGGLDAMMQ VAACPPEIGW RNVTRLLVFA TDDGFHFAGD GKLGAITPN DGRCHLEDNL YKRSNEFDYP SVGQLAHKLA ENNIQPIFAV TSRMVKTYEK LTEIIPKSAV GELSESSNV VQLIKNAYNK LSSRVFLDHN ALPDTLKVTY DSFCSNGVTH RNQPRGDG VQINVPITFQ VKVTATECIQ EQSFVIRALG FTDIVTVQVL PQCECRCDQ SRDRSLCHGK GFLECGCRC DTGYIGKNCE CQTQGRSSQE LEGSCRKDN SIICSGLGDC VCGQCLCHTS DVPKLIYGQ YCECDTINCE RYNGQVCGGP GRGLCFGCK RCHPGFEGSA CQCERTTEGC LNPRRVECSG RGRRCRCNVCE CHSGYQLPLC QECPCGSPC GKYISCAECL KFEKGPFGKN CSAACPLQL SNNPVKGRTC KERDSEGCWV AYTLQQDGM DRYLIYVDES RECVAGPNLE HHHHHH