

ITGB2, 23-700aa, Human, His tag, Baculovirus

Cat.NO.: TP02696

3th Edition

Synonyms: Integrin beta-2, ITGB2, CD18, LAD, LCAMB, LFA-1, MAC-1, MF17, MFI7

Description: ITGB2, also known as integrin beta-2, is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. It may belong to an extended family of cell surface molecules including the fibronectin binding protein. Also It is a complement receptor type 3 (CR3). It triggers neutrophil transmigration during lung injury through PTK2B/PYK2-mediated activation. Recombinant human ITGB2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight: 75.9kDa (686aa); 70-100kDa (SDS-PAGE under reducing conditions)

Sequences:

QECTKFKVSSCRECIESGPGCTWCQKLNFTGPGDPDSIRCDTRPQLLMRGCAADDIMDPTSLAETQEDHNGGQK
QLSPQKVTLYLRLPGQAAAFNVTFRRAKGYPIDLYLMDLSYSMLDDLNRNVKKLGGDLLRALNEITESGRIGFGSFVD
KTVLPFVNTHPKLRNPCPNKEKECQPPFAFRHVLKLTNNSNQFQTEVGKQLISGNLDAPEGGLDAMMQVAACPE
EIGWRNVTRLLVFATDDGFHFAGDGKLGAILTPNDGRCHLEDNLYKRSNEFDYPSVGQLAHKLAENNIQPIFAVTSR
MVKTYEKLTEIIPKSAVGELSEDSSNVVQLIKNAYNKLSSRVFLDHNALPDTLKVTYDSFCSNGVTHRNQPRGDCDG
VQINVPITFQVKVTATECIQEQS FVIRALGFTDIVTVQVLPQCECRCDQSRDRSLCHGKGFLECGICRCDTGYIGKN
CECQTQGRSSQELEGSCRKDNNSIICSGLGDCVCGQCLCHTSDVPGKLIYGQYCECDTINCERYNGQVCGGPGR
GLCFGKCRCHPGFEGSACQCERTTEGCLNPRRVECSGRGRCRCNVCECHSGYQLPLCQCECPGCPSPCGKYIS
CAECLKFEKGPFGKNCSAACPLQLSNNPVKGRTCKERDSEGCWVAYTLEQQDGM DRYLIYVDESRECVAGPNL
EHHHHHH

Purity: > 95% by HPLC

Concentration: 0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.