

Recombinant Human ITGAM&ITGB2 protein, His-tagged

Cat. No. ITGAM&ITGB2-1688H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAM&ITGB2 protein(P11215-1(ITGAM)&P05107-1(ITGB2))(Phe17-Asn1104(ITGAM) & Gln23-Asn700(ITGB2)), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	C-His
ProteinLength	Phe17-Asn1104(ITGAM) & Gln23-Asn700(ITGB2)
Tag	C-His
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human ITGAM&ITGB2, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-ITGB2 Antibody, hFc Tag with the EC50 of 11.9ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 126.10 kDa(ITGAM)&79.50 kDa(ITGB2). Due to glycosylation, the protein migrates to 140-160 kDa (ITGAM)&90-100 kDa (ITGB2) based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC.
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
GENE INFORMATION	
Gene Name	ITGAM integrin, alpha M (complement component 3 receptor 3 subunit) [Homo sapiens]
Official Symbol	ITGAM
Synonyms	ITGAM; integrin, alpha M (complement component 3 receptor 3 subunit); CD11B, CR3A, integrin, alpha M (complement component receptor 3, alpha; also known as CD11b (p170), macrophage antigen alpha polypeptide); integrin alpha-M; CD11b; MAC 1; CR-3 alpha chain; antigen CD11b (p170); leukocyte adhesion receptor MO1; CD11 antigen-like family member B; macrophage antigen alpha polypeptide; cell surface glycoprotein MAC-1 subunit alpha; neutrophil adherence receptor alpha-M subunit; CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6; MGC117044;
Gene ID	3684
mRNA Refseq	NM_000632
Protein Refseq	NP_000623
MIM	120980

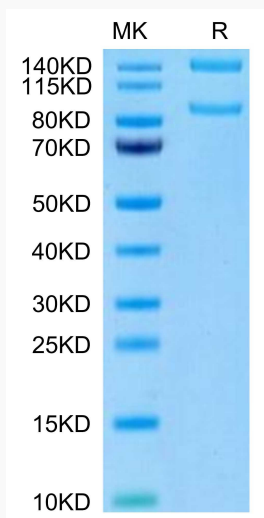
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	P11215
Gene Name 2	ITGB2 integrin, beta 2 (complement component 3 receptor 3 and 4 subunit) [Homo sapiens]
Official Symbol 2	ITGB2
Synonyms 2	ITGB2; integrin, beta 2 (complement component 3 receptor 3 and 4 subunit); CD18, integrin, beta 2 (antigen CD18 (p95), lymphocyte function associated antigen 1; macrophage antigen 1 (mac 1) beta subunit) , MF17; integrin beta-2; LFA 1; MAC 1; integrin beta chain, beta 2; complement receptor C3 beta-subunit; complement receptor C3 subunit beta; leukocyte cell adhesion molecule CD18; leukocyte-associated antigens CD18/11A, CD18/11B, CD18/11C; cell surface adhesion glycoproteins LFA-1/CR3/p150,95 subunit beta; cell surface adhesion glycoprotein LFA-1/CR3/P150,959 beta subunit precursor); LAD; CD18; MF17; MF17; LCAMB; LFA-1; MAC-1;
Gene ID 2	3689
mRNA Refseq 2	NM_000211
Protein Refseq 2	NP_000202
MIM 2	600065
UniProt ID 2	P05107

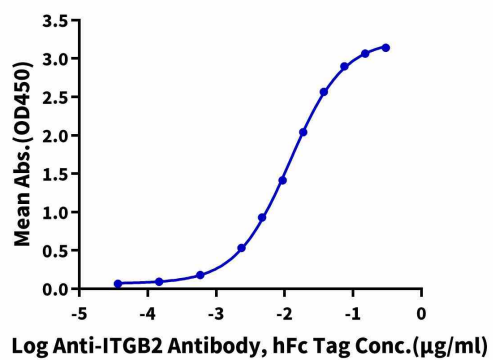
Tris-Bis PAGE



ELISA

Human ITGAM&ITGB2, His Tag ELISA

0.2μg Human ITGAM&ITGB2, His Tag Per Well



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA