

Recombinant Human Integrin, Alpha M (Complement Component 3 Receptor 3 Subunit)

Cat. No. ITGAM-4257H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD11b Human Recombinant (aa 936-1154) expressed in E.coli, shows a 52 kDa band on SDS-PAGE. The CD11b is purified by proprietary chromatographic techniques.
Species	Human
Source	Human
Description	Leukocyte associated protein consists of two polypeptide chains with molecular weights 95 and 170kDa. The molecule functions as a cell surface receptor for the C3bi complement fragment. It belongs to family of heterodimeric proteins (designated CD11) which share a common beta chain CD18 of 95kDa. The alpha chain component of the leukocyte associated antigen is expressed on granulocytes, monocytes and macrophages.
Form	CD11b in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.
Physical Appearance	Sterile Filtered clear solution.
Storage	Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Please prevent freeze-thaw cycles.

GENE INFORMATION

 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

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); CR3A; MO1A; CD11B; MAC-1; MAC1A; SLEB6; MGC117044; integrin alpha M; antigen CD11b (p170); macrophage antigen alpha polypeptide; neutrophil adherence receptor alpha-M subunit; CD11b; CD11 antigen-like family member B; CD11b antigen; CR-3 alpha chain; Cell surface glycoprotein MAC-1 subunit alpha; Leukocyte adhesion receptor MO1; Neutrophil adherence receptor; integrin, alpha M (complement component 3 receptor 3 subunit); integrin, alpha M (complement component receptor 3, alpha; CD11b (p170), macrophage antigen alpha polypeptide); Integrin alpha-M
Gene ID	3684
mRNA Refseq	NM_000632
Protein Refseq	NP_000623
MIM	120980
UniProt ID	P11215
Chromosome Location	16p11.2
Pathway	Cell adhesion molecules (CAMs); Hematopoietic cell lineage; Leukocyte transendothelial migration; Regulation of actin cytoskeleton
Function	calcium ion binding; glycoprotein binding; heparan sulfate proteoglycan binding;

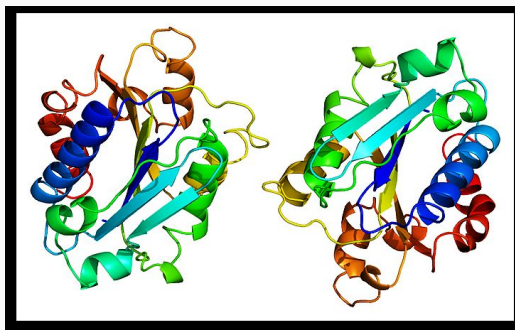
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heparin binding; magnesium ion binding; opsonin binding; protein heterodimerization activity; receptor activity

PDBrendering based
on 1bho.



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