

Active Recombinant Human ITGAM&ITGB2

Cat. No. ITGAM&ITGB2-692H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAM&ITGB2 (Accession # NP_001139280 (Integrin alpha M) & P05107 (Integrin beta 2)) was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
Predicted N Terminal	Phe17 (Integrin alpha M) & No results obtained: Gln23 predicted (Integrin beta 2)
Form	Lyophilized from a 0.2 µ filtered solution in Tris, NaCl and MgCl ₂ .
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of CHO Chinese hamster ovary cells transfected with ICAM-1. The ED ₅₀ for this effect is typically 0.25-1.5 µg/mL.
Molecular Mass	Recombinant Human ITGAM&ITGB2 has a calculated MW of 124.7 kDa (Integrin alpha M), 79 kDa (Integrin beta 2). In SDS-PAGE migrates as 165 kDa and 100 kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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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
UniProt ID	P11215
Chromosome Location	16p11.2

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