

Active Recombinant Human ITGAL&ITGB2 protein, His-tagged

Cat. No. ITGAL&ITGB2-0223H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITGAL&ITGB2 protein(Tyr26-Met1089(ITGAL)&Gln23-Asn700(ITGB2)), fused with His tag, was expressed in CHO.
Species	Human
Source	CHO
ProteinLength	26-1089;23-700 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Immobilized Human ITGAL&ITGB2 Heterodimer Protein, His Tag&Tag Free at 10 µg/mL (100 µL/well) can bind Human ICAM-1, Fc Tag with a linear range of 0.4-6 ng/mL. Immobilized Human ICAM-1, Fc Tag at 10 µg/mL (100 µL/well) can bind Human ITGAL&ITGB2 Heterodimer Protein, His Tag&Tag Free with a linear range of 0.156-5 µg/mL.
Molecular Mass	The protein migrates as 140-150 kDa (ITGAL) and 90-95 kDa (ITGB2) under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Tyr26-Met1089(ITGAL)&Gln23-Asn700(ITGB2)
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	ITGAL integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide) [Homo sapiens]
Official Symbol	ITGAL
Synonyms	ITGAL; integrin, alpha L (antigen CD11A (p180), lymphocyte function-associated antigen 1; alpha polypeptide); CD11A; integrin alpha-L; LFA 1; LFA-1A; LFA-1 alpha; integrin gene promoter; CD11 antigen-like family member A; lymphocyte function-associated antigen 1; leukocyte adhesion glycoprotein LFA-1 alpha chain; leukocyte function-associated molecule 1 alpha chain; antigen CD11A (p180), lymphocyte function-associated antigen 1, alpha polypeptide; LFA-1; LFA1A;
Gene ID	3683
mRNA Refseq	NM_001114380
Protein Refseq	NP_001107852
MIM	153370

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UniProt ID

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