

Active Recombinant Mouse ITGA2&ITGB1 protein, His-tagged

Cat. No. ITGA2&ITGB1-1593M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ITGA2&ITGB1 protein(Tyr27-Thr1129(ITGA2)&Gln21-Asp728(ITGB1)), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	27-1129;21-728 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5.
Bio-activity	Immobilized Human Collagen IV at 2 µg/mL (100 µL/well) can bind Mouse ITGA2&ITGB1 Heterodimer Protein, His Tag&Tag Free with a linear range of 0.02-0.625 µg/mL.
Molecular Mass	Mouse ITGA2&ITGB1 Heterodimer Protein, His Tag&Tag Free, produced by co-expression of ITGA2 and ITGB1, has a calculated MW of 127.6 kDa (ITGA2) and 83.5 kDa (ITGB1). Subunit ITGA2 is fused with an acidic tail at the C-terminus and followed by a polyhistidine tag and subunit ITGB1 contains no tag but a basic tail at the C-terminus. The reducing (R) protein migrates as 140-150 kDa (ITGA2) and 100-130 kDa (ITGB1) respectively due to glycosylation.
Proteinlength	Tyr27-Thr1129(ITGA2)&Gln21-Asp728(ITGB1)
Endotoxin	Less than 1.0 EU 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	>90% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
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	Itga2 integrin alpha 2 [Mus musculus]
Official Symbol	ITGA2
Synonyms	ITGA2; integrin alpha 2; integrin alpha-2; GPIa; collagen receptor; VLA-2 subunit alpha; VLA-2 receptor, alpha 2 subunit; CD49 antigen-like family member B; platelet membrane glycoprotein Ia; DX5; CD49B;
Gene ID	16398
mRNA Refseq	NM_008396
Protein Refseq	NP_032422

 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