Active Recombinant Mouse ITGAV&ITGB8 protein, His-tagged

Cat. No. ITGAV&ITGB8-0168M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ITGAV&ITGB8 protein(Phe31-Val988(ITGAV)&Gly22-Leu681(ITGB8)), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	31-988;22-681 a.a.
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Mouse ITGAV&ITGB8 Heterodimer Protein, His Tag&Tag Free at 5 μg/mL (100 μL/well) can bind Biotinylated Human Latent TGF-Beta 1, His,Avitag with a linear range of 1-10 ng/mL.Immobilized Human Fibronectin at 2 μg/mL (100 μL/well) can bind Mouse ITGAV&ITGB8 Heterodimer Protein, His Tag&Tag Free with a linear range of 0.156-5 μg/mL.Immobilized Human Vitronectin at 2 μg/mL (100 μL/well) can bind Mouse ITGAV&ITGB8 Heterodimer Protein, His Tag&Tag Free with a linear range of 0.156-5 μg/mL.
Molecular Mass	The non-reducing (NR) protein migrates as 130-150 kDa (ITGAV) and 80-90 kDa (ITGB8) respectively due to glycosylation.
Proteinlength	Phe31-Val988(ITGAV)&Gly22-Leu681(ITGB8)

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Endotoxin	Less than 1.0 EU per μg by the LAL method.
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	Itgav integrin alpha V [Mus musculus]
Official Symbol	ITGAV
Synonyms	ITGAV; integrin alpha V; integrin alpha-V; alphav-integrin; vitronectin receptor subunit alpha; vitronectin receptor alpha polypeptide (VNRA); CD51; 1110004F14Rik; 2610028E01Rik; D430040G12Rik;
Gene ID	16410
mRNA Refseq	NM_008402
Protein Refseq	NP_032428

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