Recombinant Mouse ITGAV&ITGB8 protein, His-tagged

Cat. No. ITGAV&ITGB8-1723M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ITGAV&ITGB8 protein(P43406(ITGAV)&Q0VBD0(ITGB8))(Phe31-Val988(ITGAV)& Gly22-Ser679(ITGB8)), fused with C-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	C-His
ProteinLength	Phe31-Val988(ITGAV)& Gly22-Ser679(ITGB8)
Tag	C-His
Form	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Mouse ITGAV&ITGB8, His Tag at 5μg/ml (100μl/Well) on the plate. Dose response curve for Biotinylated Human Latent TGF beta 1, His Tag with the EC50 of 0.97μg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 111.6(ITGAV)&76.6(ITGB8) kDa. Due to glycosylation, the protein migrates to 80-140 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC.

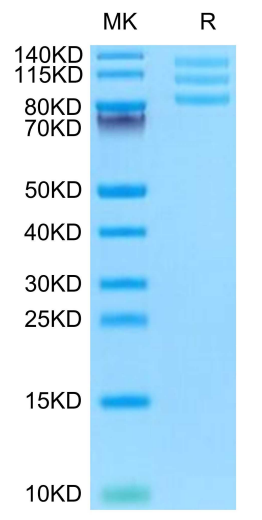
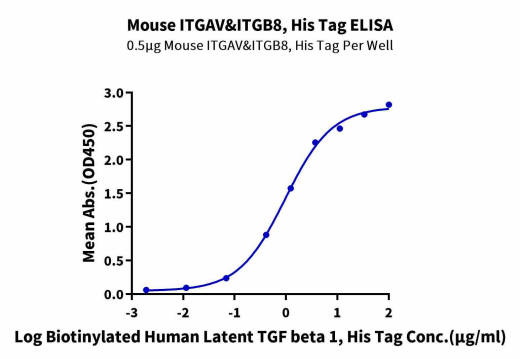
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Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.

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
Gene Name 2	Itgb8 integrin beta 8 [Mus musculus]
Official Symbol 2	ITGB8
Synonyms 2	ITGB8; integrin beta 8; integrin beta-8; 4832412O06Rik;
Gene ID 2	320910
mRNA Refseq 2	NM_177290

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Protein Refseq 2	NP_796264
Tris-Bis PAGE	
ELISA	

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