

Recombinant Mouse ITGAV&ITGB3 protein, hFc-tagged

Cat. No. ITGAV&ITGB3-1563M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ITGAV&ITGB3 protein(P43406(ITGAV)&O54890(ITGB3))(Phe31-Val988(ITGAV)& Glu26-Asp717(ITGB3)), fused with C-terminal hFc tag, was expressed in HEK293.
Species	Mouse
Source	C-hFc
ProteinLength	Phe31-Val988(ITGAV)& Glu26-Asp717(ITGB3)
Tag	C-hFc
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Mouse ITGAV&ITGB3, hFc Tag captured on CM5 Chip via Protein A can bind Human Vitronectin, His Tag with an affinity constant of 3.37 nM as determined in SPR assay (Biacore T200).
Molecular Mass	The protein has a predicted MW of 131.48 kDa(ITGAV)&101.58 kDa(ITGB3). Due to enzyme lysis and glycosylation, the protein migrates to 110-135 kDa and 50-60 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.

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Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC.
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	Itgb3 integrin beta 3 [Mus musculus]
Official Symbol 2	ITGB3
Synonyms 2	ITGB3; integrin beta 3; integrin beta-3; GPIIIa; platelet gpIIIa; platelet membrane glycoprotein IIIa; CD61; GP3A; INGRB3; MGC159221; MGC159223;

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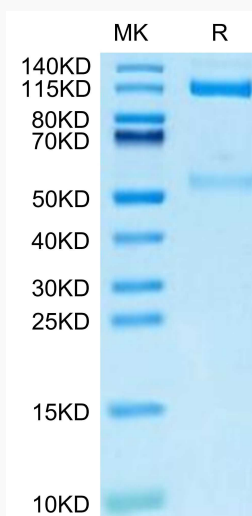
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Gene ID 2 16416

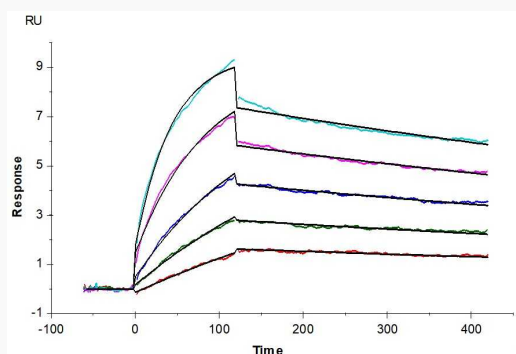
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Protein Refseq 2 NP_058060

Tris-Bis PAGE



SPR



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