

Biotinylated Mouse Integrin alpha V beta 3 (ITGAV&ITGB3) Heterodimer Protein



Cat. No. ITG-MM4V3B

Description

Source	Recombinant Biotinylated Mouse Integrin alpha V beta 3 (ITGAV&ITGB3) Heterodimer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Phe31-Val988(ITGAV) acidic tail & Glu26-Asp717(ITGB3) basic tail.
Accession	P43406(ITGAV)&O54890(ITGB3)
Molecular Weight	The protein has a predicted MW of 108.77 kDa(ITGAV)&80.84 kDa(ITGB3). Due to glycosylation, the protein migrates to 90-130 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

Formulation and Storage

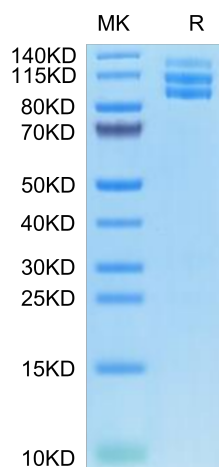
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

ITGAV&ITGB3 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling. ITGAV&ITGB3 binds to FGF1 and this binding is essential for FGF1 signaling. ITGAV&ITGB3 binds to FGF2 and this binding is essential for FGF2 signaling. ITGAV&ITGB3 binds to IGF1 and this binding is essential for IGF1 signaling. ITGAV&ITGB3 binds to IGF2 and this binding is essential for IGF2 signaling.

Assay Data

Tris-Bis PAGE



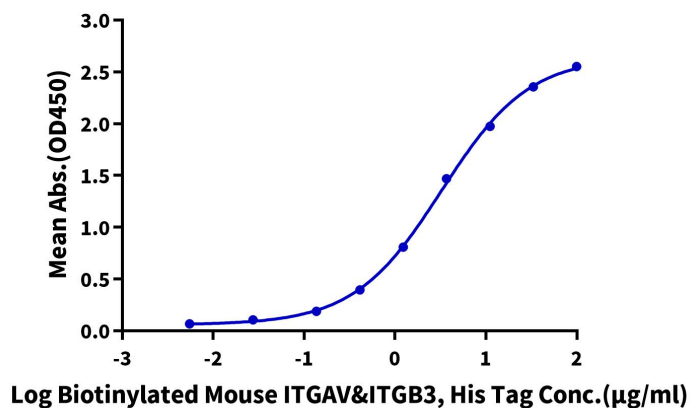
Biotinylated Mouse ITGAV&ITGB3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

Biotinylated Mouse ITGAV&ITGB3, His Tag ELISA

0.5µg Human Vitronectin, His Tag Per Well



Immobilized Human Vitronectin, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Mouse ITGAV&ITGB3, His Tag with the EC50 of 3.2µg/ml determined by ELISA.