

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

HA210126



Product name:	Human Integrin alpha V beta 3 (ITGAV&ITGB3) Heterodimer Protein
Species reactivity:	Human
Protein construction description:	Recombinant Human 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-Val992(ITGAV) acidic tail&GLy27-Asp718(ITGB3) basic tail.
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.
Purity:	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC
Endotoxin:	Less than 1EU per µg by the LAL method.
Source:	HEK293
Accession:	P05106-1(ITGB3)
Predicted molecular mass:	The protein has a predicted MW of 114 kDa (ITGAV)&81.3 kDa (ITGB3). Due to glycosylation,the protein migrates to 85-140 kDa based on Tris-Bis PAGE result
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. -80°C for 3-6 months 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.

Hangzhou Huaan Biotechnology Co., Ltd.

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Applications:WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation



Fig1: Human ITGAV&ITGB3 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

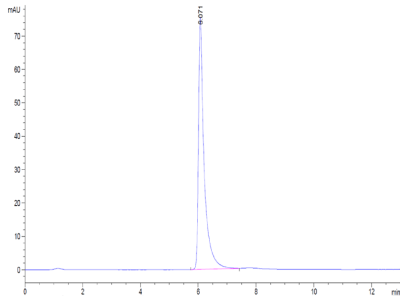


Fig2: The purity of Human ITGAV&ITGB3 is greater than 95% as determined by SEC-HPLC.

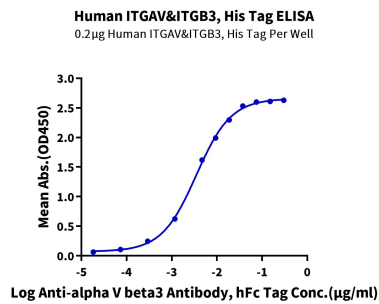


Fig3: Immobilized Human ITGAV&ITGB3, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Anti-alpha V beta3 Antibody, hFc Tag with the EC50 of 3.5ng/ml determined by ELISA.

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

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