



Datasheet for ABIN7275060

CD51/CD61 Protein (AA 31-992) (His-Avi Tag,Biotin)



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3 Images

Overview

Quantity:	100 µg
Target:	CD51/CD61 (ITGAV/ITGB3)
Protein Characteristics:	AA 31-992
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD51/CD61 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human Integrin alpha V beta 3 (ITGAV & ITGB3) Heterodimer Protein
Sequence:	Phe31-Val992 (ITGAV) acidic tail & Gly27-Asp718 (ITGB3) basic tail
Specificity:	Uni-Prot: P06756-1 (ITGAV), P05106-1 (ITGB3)
Characteristics:	Recombinant Biotinylated 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.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Anti-alpha V beta3 Antibody, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human ITGAV&ITGB3, His Tag with the EC50 of 54ng/ml

Product Details

determined by ELISA. See testing image for detail.

Target Details

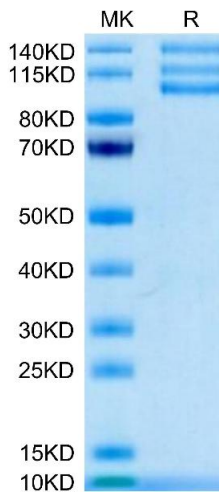
Target:	CD51/CD61 (ITGAV/ITGB3)
Alternative Name:	ITGAV&ITGB3 (ITGAV/ITGB3 Products)
Background:	ITGAV&ITGB3 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling. ITGAV&ITGB3 binds to FGF1 and this binding is essential for FGF1 signaling. ITGAV&ITGB3 binds to FGF2 and 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.
Molecular Weight:	114 kDa (ITGAV) & 81.3 kDa (ITGB3). Due to glycosylation, the protein migrates to 100-160 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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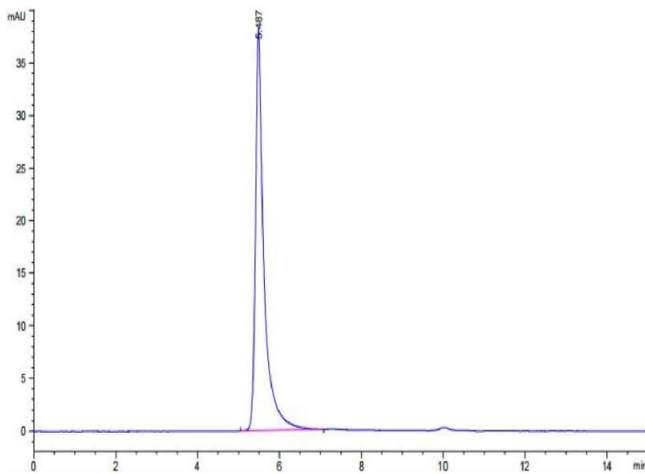
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-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.
Expiry Date:	12 months



SDS-PAGE

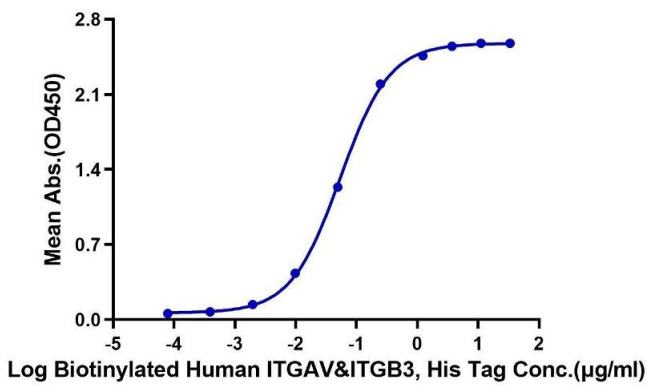
Image 1. Biotinylated Human ITGAV&ITGB3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human ITGAV&ITGB3 is greater than 95 % as determined by SEC-HPLC.

Biotinylated Human ITGAV&ITGB3, His Tag ELISA
0.2µg Anti-alpha V beta3 Antibody, hFc Tag Per Well



ELISA

Image 3. Immobilized Anti-alpha V beta3 Antibody, hFc Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Human ITGAV&ITGB3, His Tag with the EC50 of 54 ng/mL determined by ELISA.