

Datasheet for ABIN7275061

ITGAV/ITGB5 Protein (AA 31-992) (His-Avi Tag)



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3 Images

Overview

Quantity:	100 µg
Target:	ITGAV/ITGB5
Protein Characteristics:	AA 31-992
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITGAV/ITGB5 protein is labelled with His-Avi Tag.

Product Details

Purpose:	Human Integrin alpha V beta 5 (ITGAV&ITGB5) Heterodimer Protein
Sequence:	Phe31-Val992(ITGAV)acidic tail & Gly24-Asn719(ITGB5)basic tail
Specificity:	Uni-Prot: P06756-1 (ITGAV), P18084 (ITGB5)
Characteristics:	Recombinant Human Integrin alpha V beta 5 (ITGAV&ITGB5) Heterodimer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Phe31-Val992(ITGAV) acidic tail&Gly24-Asn719(ITGB5) 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 Human ITGAV&ITGB5, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-alpha V Antibody, hFc Tag with the EC50 of 73.9ng/ml determined by ELISA. See

Product Details

testing image for detail.

Target Details

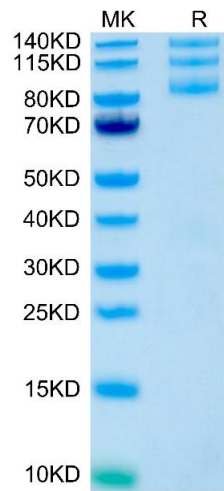
Target:	ITGAV/ITGB5
Alternative Name:	Integrin alpha V beta 5 (ITGAV & ITGB5) Heterodimer (ITGAV/ITGB5 Products)
Background:	Integrin ITGAV & ITGB5 is a type of integrin that binds to matrix macromolecules and proteinases and thereby stimulates angiogenesis. However, it inhibits angiogenesis. It consists of two components, integrin alpha V and integrin beta 5. Integrin ITGAV & ITGB5 is a receptor for fibronectin. It recognizes the sequence R-G-D in its ligand.(Microbial infection) Integrin ITGAV & ITGB5 acts as a receptor for adenovirus type C.
Molecular Weight:	114 kDa (ITGAV)&81.4 kDa (ITGB5). Due to glycosylation,the protein migrates to 85-140 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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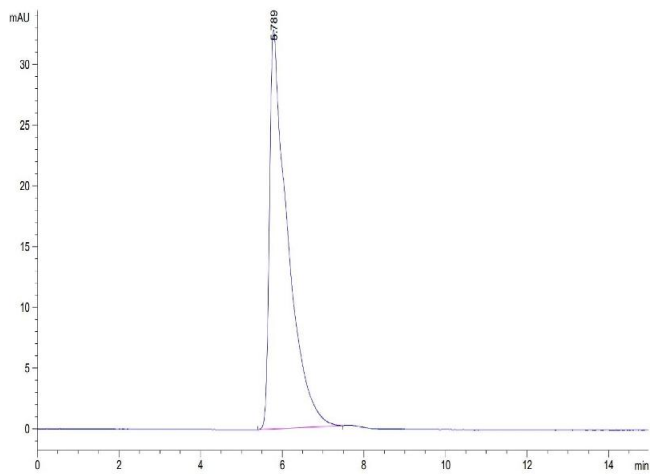
Handling

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

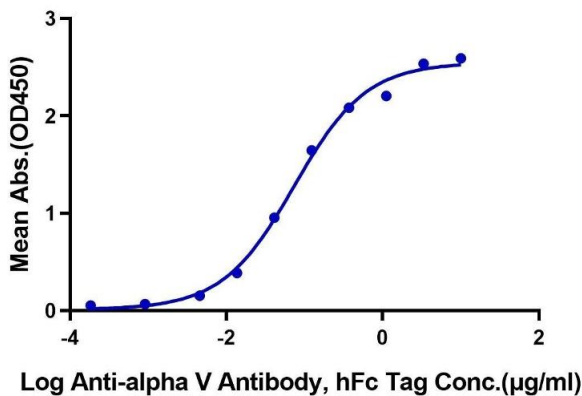
Image 1. Human ITGAV&ITGB5 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human ITGAV&ITGB5 is greater than 95 % as determined by SEC-HPLC.

Human ITGAV&ITGB5, His Tag ELISA
0.2µg Human ITGAV&ITGB5, His Tag Per Well



ELISA

Image 3. Immobilized Human ITGAV&ITGB5, His Tag at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-alpha V Antibody, hFc Tag with the EC50 of 73.9 ng/mL determined by ELISA.