

Datasheet for ABIN7275075

## ITGAV/ITGB8 Protein (AA 31-988) (His tag)



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### 3 Images

#### Overview

Quantity:	100 µg
Target:	ITGAV/ITGB8
Protein Characteristics:	AA 31-988
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITGAV/ITGB8 protein is labelled with His tag.

#### Product Details

Purpose:	Mouse Integrin alpha V beta 8 (ITGAV&ITGB8) Heterodimer Protein
Sequence:	Phe31-Val988(ITGAV)acidic tail & Gly22-Ser679(ITGB8)basic tail
Specificity:	Uni-Prot: P43406 (ITGAV), Q0VBD0 (ITGB8)
Characteristics:	Recombinant Mouse Integrin alpha V beta 8 (ITGAV&ITGB8) Heterodimer Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Phe31-Val988(ITGAV) acidic tail&Gly22-Ser679(ITGB8) 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 Mouse ITGAV&ITGB8, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human Latent TGF beta 1, His Tag with the EC50 of 2.4µg/ml determined

## Product Details

by ELISA. See testing image for detail.

## Target Details

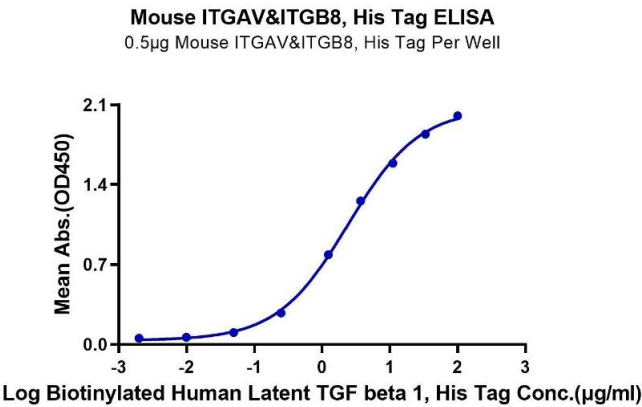
Target:	ITGAV/ITGB8
Alternative Name:	Integrin alpha V beta 8 (ITGAV & ITGB8) Heterodimer ( <a href="#">ITGAV/ITGB8 Products</a> )
Background:	Deletions of the genes encoding the integrin $\alpha V\beta 8$ (Itgav, Itgb8) have been shown to result in abnormal vascular development in the CNS, including prenatal and perinatal hemorrhage. Other work has indicated that a major function of this integrin in vivo is to promote TGF $\beta$ activation.
Molecular Weight:	111.6(ITGAV)&76.6(ITGB8) kDa. Due to glycosylation, the protein migrates to 80-140 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P43406</a>

## Application Details

Restrictions:	For Research Use only
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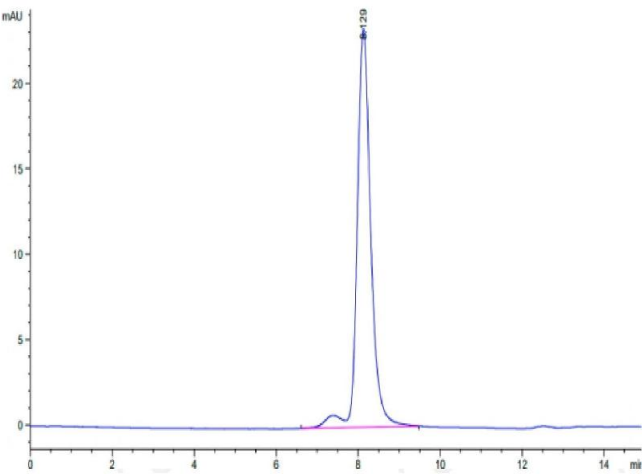
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g/mL}$ is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 $^{\circ}\text{C}$ , -80 $^{\circ}\text{C}$
Storage Comment:	-20 to -80 $^{\circ}\text{C}$ for 24 months as supplied from date of receipt., -80 $^{\circ}\text{C}$ for 3-6 months after reconstitution., 2-8 $^{\circ}\text{C}$ 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



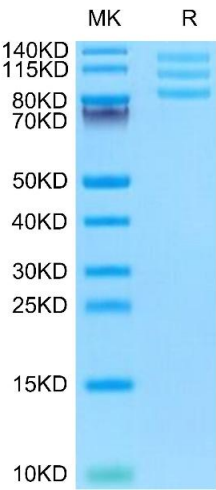
ELISA

**Image 1.** Immobilized Mouse ITGAV&ITGB8, His Tag at 5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human Latent TGF beta 1, His Tag with the EC50 of 2.4 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse ITGAV&ITGB8 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

**Image 3.** Mouse ITGAV&ITGB8 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .