

Datasheet for ABIN6809904  
**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
Biological Activity:	Active
Purification tag / Conjugate:	This ITGAV/ITGB8 protein is labelled with His tag.

## Product Details

Sequence:	AA 31-988
Purity:	>95 % as determined by reduced SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	ITGAV/ITGB8
Alternative Name:	Integrin alpha V beta 8 ( <a href="#">ITGAV/ITGB8 Products</a> )
Background:	Integrin alpha V beta 8 (ITGAV & ITGB8 or ITGAVB8) is expressed in yolk sac, placenta, brain perivascular astrocytes, Schwann cells, renal glomerular mesangial cells and pulmonary epithelial cells. Unlike other alpha V integrins, ITGAVB8 does not appear to assume different activation states, and the cytoplasmic tail does not connect to the cytoskeleton. It binds ligands

## Target Details

containing an RGD motif, including vitronectin, fibrin and the latency associated peptide (LAP) of the latent TGF-beta complex. High affinity binding of alpha V beta 8 to LAP allows proteolytic cleavage by MT1-MMP, which releases active TGF-beta. This mechanism differs from that of alpha V beta 6, the other alpha V integrin which can activate TGF-beta from latency through non-proteolytic mechanisms. Downstream effects of TGF-beta activation include control of cell growth and associated vascularization.

Molecular Weight: 112.5 kDa (ITGAV) & 77.5 kDa (ITGB8)

## Application Details

Restrictions: For Research Use only

## Handling

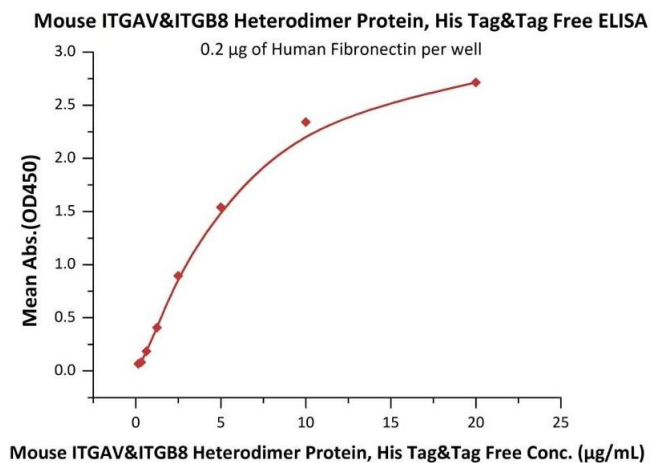
Format: Lyophilized

Buffer: 50 mM Tris, 150 mM NaCl, pH 7.5

Handling Advice: Please avoid repeated freeze-thaw cycles.

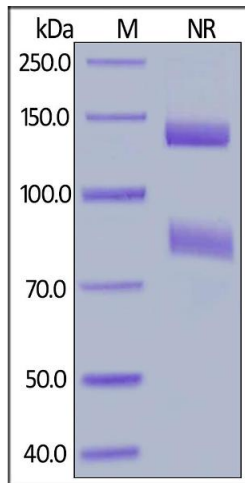
Storage: -20 °C

## Images



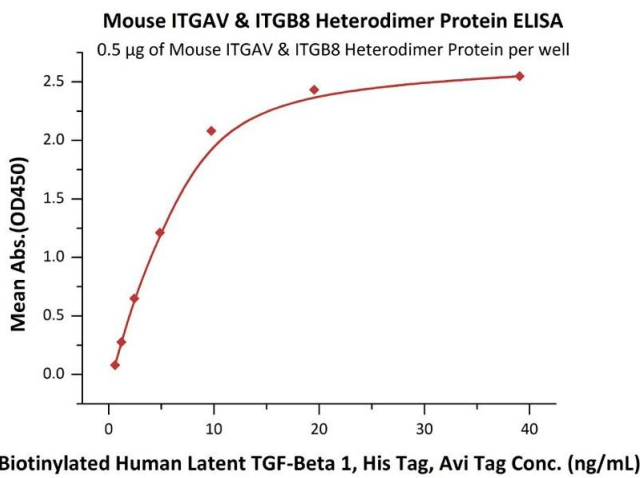
### ELISA

**Image 1.** Immobilized Human Fibronectin at 2 µg/mL (100 µL/well) can bind Mouse ITGAV&ITGB8 Heterodimer Protein, His Tag&Tag Free (ABIN6731263, ABIN6809904) with a linear range of 0.156-5 µg/mL (Routinely tested).



### SDS-PAGE

**Image 2.** Mouse ITGAV&ITGB8 Heterodimer Protein, His Tag&Tag Free on under ing (NR) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .



### ELISA

**Image 3.** Immobilized Mouse ITGAV&ITGB8 Heterodimer Protein, His Tag&Tag Free (ABIN6731263,ABIN6809904) at 5 µg/mL (100 µL/well) can bind Biotinylated Human Latent 1, His,Avitag (ABIN6386432,ABIN6388257) with a linear range of 1-10 ng/mL (QC tested).