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Datasheet for ABIN7454142

## CD51/CD61 Protein (AA 31-988) (Biotin,His-Avi Tag)

### Overview

Quantity:	100 µg
Target:	CD51/CD61 (ITGAV/ITGB3)
Protein Characteristics:	AA 31-988
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD51/CD61 protein is labelled with Biotin,His-Avi Tag.

### Product Details

Purpose:	Biotinylated Mouse Integrin alpha V beta 3 (ITGAV & ITGB3) Heterodimer Protein
Sequence:	Phe31-Val988 (ITGAV) acidic tail & Glu26-Asp717 (ITGB3) basic tail
Specificity:	Uni-Prot: P43406 (ITGAV), O54890 (ITGB3)
Characteristics:	Recombinant Biotinylated Mouse 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-Val988(ITGAV) acidic tail & Glu26-Asp717(ITGB3) basic tail.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human Vitronectin, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Mouse ITGAV&ITGB3, His Tag with the EC50 of 0.30µng/ml determined

## Product Details

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by ELISA. See testing image for detail.

## Target Details

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Target:	CD51/CD61 (ITGAV/ITGB3)
Alternative Name:	Integrin alpha V beta 3 (ITGAV&ITGB3) Heterodimer ( <a href="#">ITGAV/ITGB3 Products</a> )
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:	108.77 kDa(ITGAV)&80.84 kDa(ITGB3). Due to glycosylation, the protein migrates to 90-130 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">P43406</a>

## Application Details

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Restrictions: For Research Use only

## Handling

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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