Datasheet for ABIN7454141

CD51/CD61 Protein (AA 31-993) (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	CD51/CD61 (ITGAV/ITGB3)
Protein Characteristics:	AA 31-993
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD51/CD61 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus Integrin alpha V beta 3 (ITGAV & ITGB3) Heterodimer Protein
Sequence:	Phe31-Pro993 (ITGAV) acidic tail & Gly27-Asp718 (ITGB3) basic tail
Specificity:	Uni-Prot: A0A2K5WCD3 (ITGAV), A0A2K5WYN9 (ITGB3)
Characteristics:	Recombinant Cynomolgus Integrin alpha V beta 3 (ITGAV & ITGB3) Heterodimer Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Phe31-Pro993(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 Cynomolgus ITGAV&ITGB3, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Anti-alpha V beta 3 Antibody, hFc Tag with the EC50 of 8.7ng/ml determined

Product Details

	by ELISA. See testing image for detail.

Target Details

Target:	CD51/CD61 (ITGAV/ITGB3)
Alternative Name:	Integrin alpha V beta 3 (ITGAV&ITGB3) Heterodimer (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:	112.31 kDa (ITGAV) & 81.27 kDa (ITGB3). Due to glycosylation, the protein migrates 95-140 to kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5WCD3

Application Details

Restrictions:	For Research Use only

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 0.22 µm 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