

Rhesus macaque Integrin alpha V beta 8 (ITGAV&ITGB8) Heterodimer Protein



Cat. No. ITG-RM1V8

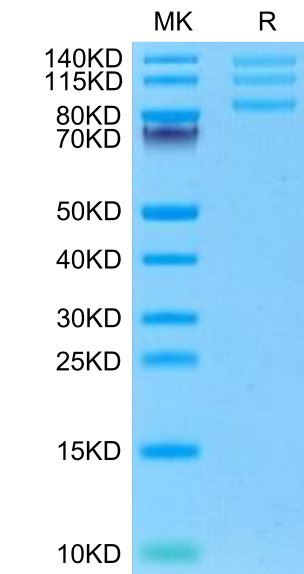
Description	
Source	Recombinant Rhesus macaque Integrin alpha V beta 8 (ITGAV&ITGB8) Heterodimer Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Phe31-Pro993 (ITGAV) acidic tail and Glu43-Ser681 (ITGB8) basic tail.
Accession	F6QSK2(ITGAV)&F7F3K9(ITGB8)
Molecular Weight	The protein has a predicted MW of 112.1 kDa (ITGAV) and 75.3 kDa (ITGB8). Due to glycosylation, the protein migrates to 90-140 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 24 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
Deletions of the genes encoding the integrin αVβ8 (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 TGFβ activation.	

Assay Data

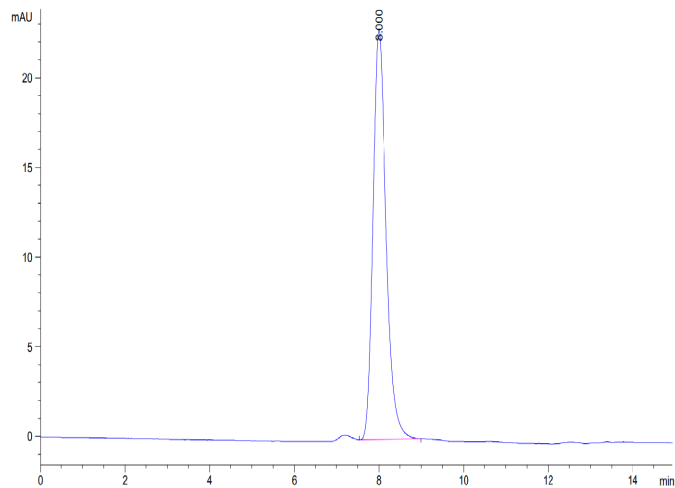
Bis-Tris PAGE



Rhesus macaque ITGAV&ITGB8 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data

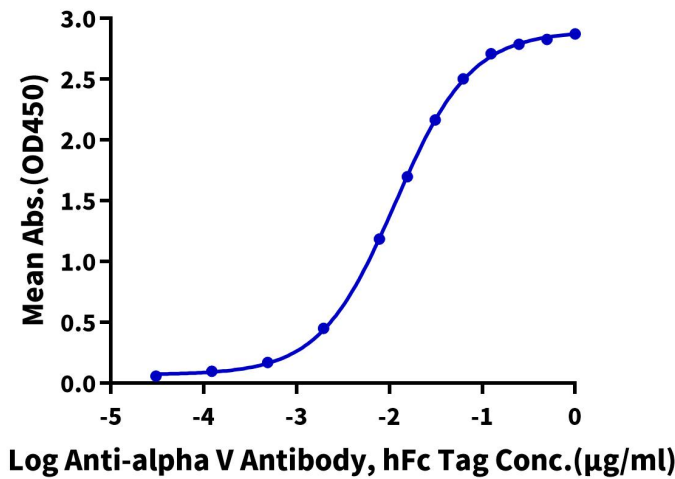


The purity of Rhesus macaque ITGAV&ITGB8 is greater than 95% as determined by SEC-HPLC.

ELISA Data

Rhesus macaque ITGAV&ITGB8, His Tag ELISA

0.5µg Rhesus macaque ITGAV&ITGB8, His Tag Per Well



Immobilized Rhesus macaque ITGAV&ITGB8, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Anti-alpha-v Antibody , hFc Tag with the EC50 of 11.6ng/ml determined by ELISA.