

Recombinant Mouse Integrin alpha V beta 8 (ITGAV&ITGB8) Heterodimer Protein

Catalog No.: RP02656 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	16410&3209	P43406(ITGA V)&Q0VBD0(ITGB8)

Tags

C-His

Synonyms

Integrin alpha V beta 8 [ITGAV&ITGB8]

Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE [> 95% as determined by HPLC

Calculated MW **Observed MW**

Endotoxin

Less than 1EU per µg by the LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening.
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

Contact

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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 β activation.

Basic Information

Description

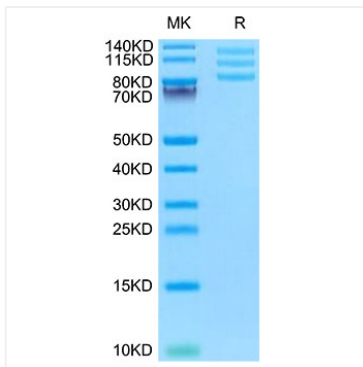
Recombinant Mouse Integrin alpha V beta 8 (ITGAV&ITGB8) Heterodimer Protein is expressed from Expi293 with His tag at the C-terminal. [It contains Phe31-Val988(ITGAV) acidic tail&Gly22-Ser679(ITGB8) basic tail.

Bio-Activity

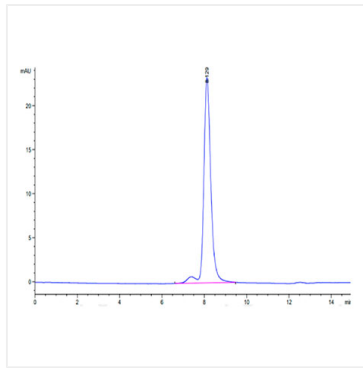
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

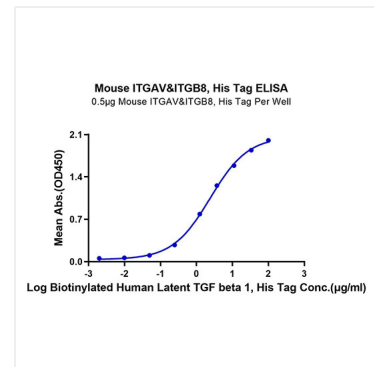
Validation Data



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



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



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 by ELISA.