

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

Catalog No.: RP02656

Sequence Information

Species **Gene ID**
Mouse 16410&320910

Swiss Prot **Tags**
P43406(ITGAV) C-His
&Q0VBD0(ITGB8)

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 MWObserved MW

111.6(ITGAV) & 80-140 kDa
76.6(ITGB8) kDa

Endotoxin

< 1 EU/μg of the protein by 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 free-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.

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

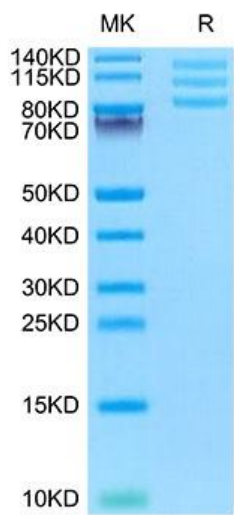
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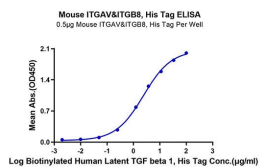
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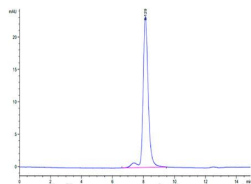
Validation Data



Recombinant Mouse Integrin alpha V beta 8 (ITGAV&ITGB8) Heterodimer Protein was determined by Tris-Bis PAGE under reducing conditions.



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.



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