

Integrin alpha V beta 8 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P700763
Synonyms:	α V β 8; Integrin alpha V beta 8; ITGAV&ITGB8; Integrin alpha V β 8
Species:	Mouse
Source:	HEK293
Accession:	P43406 (F31-V988)&Q0VBD0 (G22-S679)
Gene ID:	16410&320910
Molecular Weight:	80-140 kDa

PROPERTIES

Biological Activity	Immobilized Mouse ITGAV&ITGB8, His Tag at 5 μ g/mL (100 μ l/Well) on the plate. Dose response curve for Biotinylated Human Latent TGF beta 1, His Tag with the EC ₅₀ of \leq 3 μ g/mL determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Integrin alpha-V/beta-3 (ITGAV:ITGB3) acts as a receptor for CD40LG and binds to the LILRB4/Gp49b receptor, enhancing its inhibitory effect on mast cell activation. ITGAV:ITGB3 also suppresses marginal zone B cell antibody production through interaction with LILRB4. It forms a heterodimer with ITGAV and interacts with various ligands, including RAB25, CIB1, FBLN5, CCN3, ADGRA2, FGF2, CX3CR1, CX3CL1, NRG1, ERBB3, FGF1, FGFR1, IGF1, IGF1R, IGF2, and PTN. It also forms a complex with PTPRZ1 and PTN to stimulate endothelial cell migration.
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Caution: Product has not been fully validated for medical applications. For research use only.

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