

Integrin alpha V beta 3 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P700761
Synonyms:	α V β 3; Integrin alpha V beta 3; beta3; alphaV; ITGAV&ITGB3; Integrin alpha V β 3; β 3
Species:	Mouse
Source:	HEK293
Accession:	P43406 (F31-V988)&O54890 (E26-D717)
Gene ID:	16410&16416
Molecular Weight:	90-130 kDa

PROPERTIES

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	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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA