

## Integrin alpha V beta 3 Protein, Mouse (HEK293, hFc)

Cat. No.:	HY-P700760
Synonyms:	$\alpha$ V $\beta$ 3; Integrin alpha V beta 3; beta3; alphaV; ITGAV&ITGB3; Integrin alpha V $\beta$ 3; $\beta$ 3
Species:	Mouse
Source:	HEK293
Accession:	P43406 (F31-V988)&O54890 (E26-D717)
Gene ID:	16410&16416
Molecular Weight:	110-135 kDa & 50-60 kDa

### PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.22 $\mu$ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> 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.**

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