

Mouse ITGB6 Protein

Cat. No. ITG-MM1B6

Description

Source	Recombinant Mouse ITGB6 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly22-Asn706.
Accession	Q9Z0T9
Molecular Weight	The protein has a predicted MW of 75.7 kDa. Due to glycosylation, the protein migrates to 80-115 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

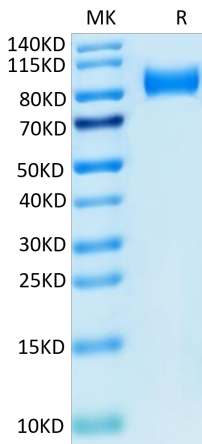
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

ITGB6 is known to be one of the major receptor components involved in host tropism of foot-and-mouth disease (FMD) virus in cattle. A competitive PCR technique called ARMS PCR was adapted to identify a single-nucleotide polymorphism (SNP), G29A, db SNP Id: rs109075046, in the 5' untranslated region (5'UTR) of the bovine ITGB6 gene.

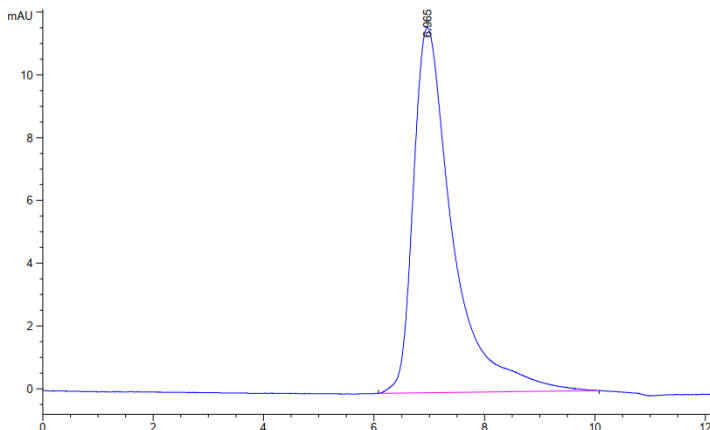
Assay Data

Bis-Tris PAGE



Mouse ITGB6 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Mouse ITGB6 is greater than 95% as determined by SEC-HPLC.