

Human ADAM9 Protein

Cat. No. ADM-HM109



Description

Source	Recombinant Human ADAM9 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala206-Asp697.
Accession	Q13443-1
Molecular Weight	The protein has a predicted MW of 54.39 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

Formulation	Lyophilized from 0.22 µm filtered solution in 20mM NaAc, 150mM NaCl, 0.01% Brij-35, 8% trehalose (pH 5.0).
Reconstitution	Dissolve the lyophilized protein in 20mM NaAc (pH 5.0). Please refer to the Certificate of Analysis for detailed instructions.
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

A disintegrin and metalloproteinase 9 (ADAM9) is a member of the transmembrane ADAM family. It is expressed in different types of solid cancer and promotes tumor invasiveness. ADAM9 may be a prognostic marker for vestibular schwannomas (VS), and ADAM9 inhibition might have the potential as a systemic approach for the treatment of VS.

Assay Data

Bis-Tris PAGE

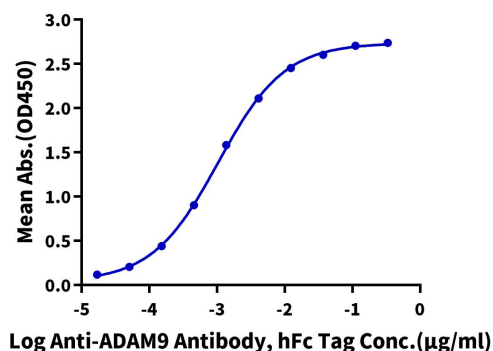


Human ADAM9 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human ADAM9, His Tag ELISA

0.05µg Human ADAM9, His Tag Per Well



Immobilized Human ADAM9, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-ADAM9 Antibody, hFc Tag with the EC50 of 1.0ng/ml determined by ELISA.

Human ADAM9 Protein

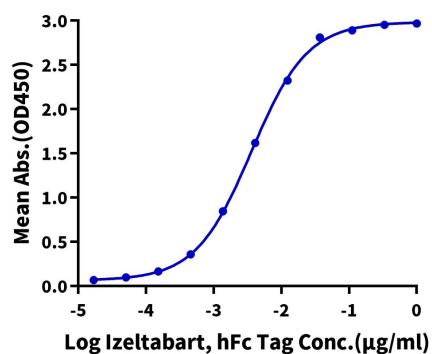
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Assay Data

ELISA Data

Human ADAM9, His Tag ELISA

0.05µg Human ADAM9, His Tag Per Well



Immobilized Human ADAM9, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Izeltabart, hFc Tag with the EC₅₀ of 3.6ng/ml determined by ELISA.

Bioactivity Data

Measured by its ability to cleave a fluorogenic peptide substrate Mca-PLAQAV-Dpa-RSSSR-NH₂. The specific activity is > 25 pmol/min/ug.