Mouse ANGPTL3/Angiopoietin-like 3 Protein

Cat. No. ANG-MM103

Description

Source	Recombinant Mouse ANGPTL3/Angiopoietin-like 3 Protein is expressed from HEK293 with His tag at the C-terminus.
	It contains Ser17-Thr455.
Accession	Q9R182
Molecular Weight	The protein has a predicted MW of 51.81 kDa. Due to furin cleavage site, the protein migrates to 30-35 kDa, 43-48 kDa and 60-75 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

Formulation and Storage

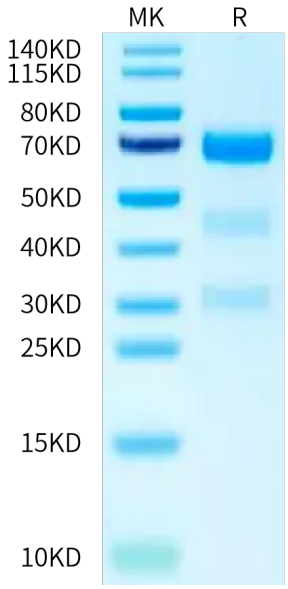
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled 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

ANGPTL3 is a secreted glycoprotein that is structurally related to the angiopoietins. Mature human ANGPTL3 contains an N-terminal coiled coil domain and a Cterminal fibrinogen-like domain. ANGPTL3 is expressed in the liver from early in development through adulthood. Acts in part as a hepatokine that is involved in regulation of lipid and glucose metabolism. Proposed to play a role in the trafficking of energy substrates to either storage or oxidative tissues in response to food intake.

Assay Data

Bis-Tris PAGE



Mouse ANGPTL3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

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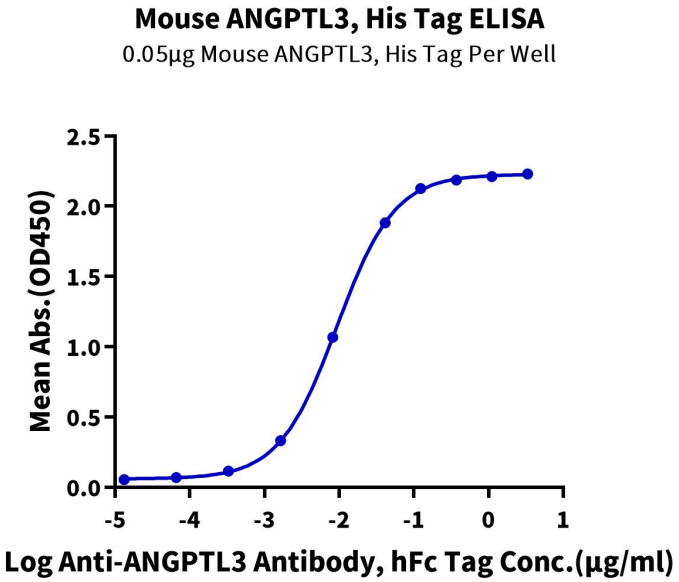
Assay Data



Immobilized Mouse ANGPTL3, His Tag at 0.5μg/ml (100μl/well) on the plate. Dose response curve for Anti-ANGPTL3 Antibody, hFc Tag with the EC50 of 9.3ng/ml determined by ELISA.