

Mouse AXL Protein

Cat. No. AXL-MM101

Description

Source	Recombinant Mouse AXL Protein is expressed from HEK293 with His tag at the C-Terminus. It contains His20-Trp445.
Accession	NP_033491.2
Molecular Weight	The protein has a predicted MW of 47.8 kDa. Due to glycosylation, the protein migrates to 68-78 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

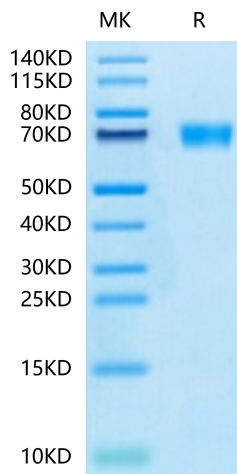
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Axl, a member of the TAM (Tyro3, Axl, Mer) family, and its inhibitors can specifically break the kinase signaling nodes, allowing advanced patients to regain drug sensitivity with improved therapeutic efficacy. Overexpression and activation of Axl receptor tyrosine kinase have been widely accepted to promote cell proliferation, chemotherapy resistance, invasion, and metastasis in several human cancers, such as lung, breast, and pancreatic cancers.

Assay Data

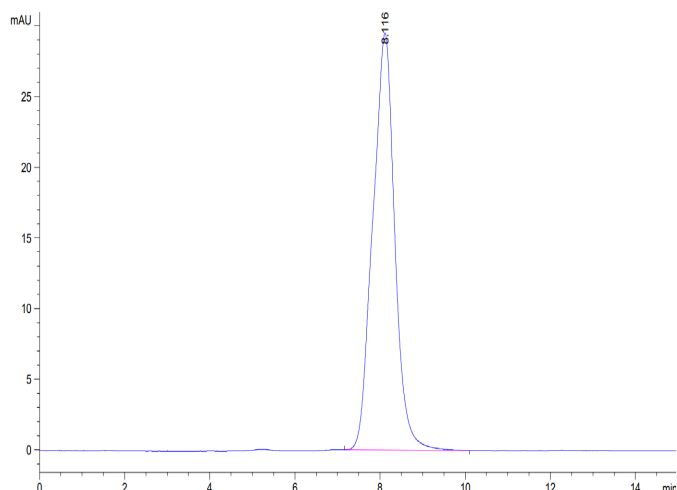
Tris-Bis PAGE



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

SEC-HPLC

Assay Data

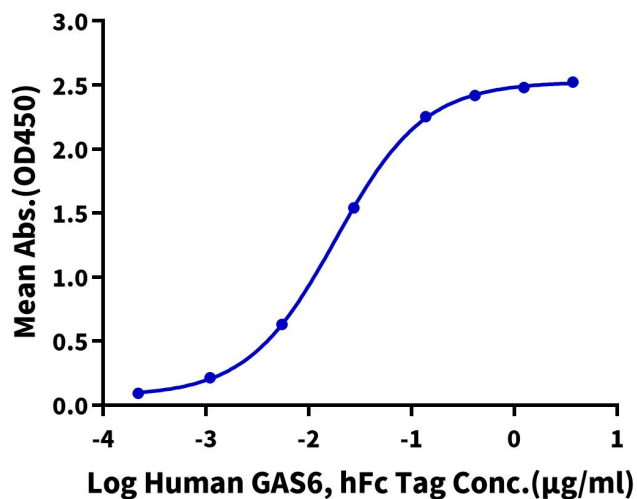


The purity of Mouse AXL is greater than 95% as determined by SEC-HPLC.

ELISA Data

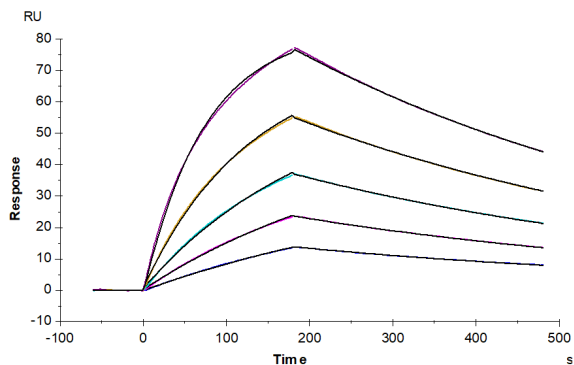
Mouse AXL, His Tag ELISA

0.2µg Mouse AXL, His Tag Per Well



Immobilized Mouse AXL, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human GAS6, hFc Tag with the EC50 of 18.4ng/ml determined by ELISA (QC Test).

SPR Data



Mouse AXL, His Tag immobilized on CM5 Chip can bind Mouse GAS6, His Tag with an affinity constant of 15.62 nM as determined in SPR assay (Biacore T200).