

Human AXL Protein

Cat. No. AXL-HM401

Description

Source	Recombinant Human AXL Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Ala26-Pro449.
Accession	P30530-1
Molecular Weight	The protein has a predicted MW of 48.7 kDa. Due to glycosylation, the protein migrates to 70-80 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 SEC-HPLC

Formulation and Storage

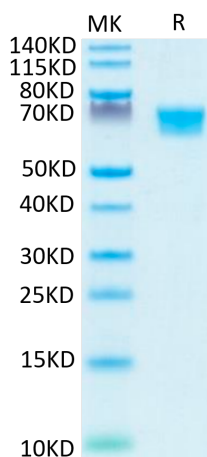
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized 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 avoid 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

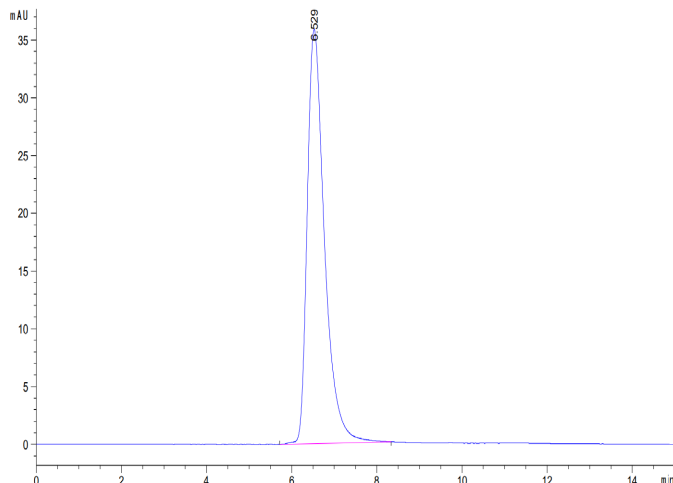
Tris-Bis PAGE



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

SEC-HPLC

Assay Data

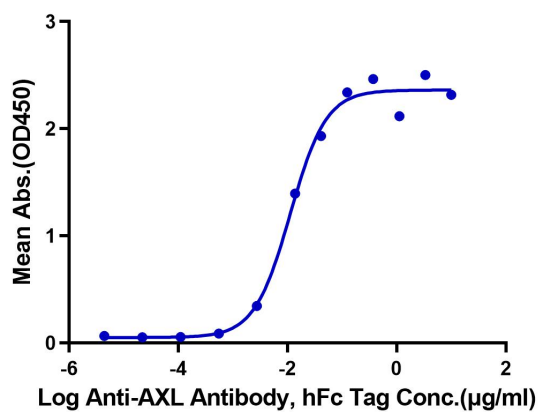


The purity of Human AXL is greater than 95% as determined by SEC-HPLC.

ELISA Data

Human AXL His Tag ELISA

0.2µg Human AXL, His Tag Per Well



Immobilized Human AXL, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-AXL Antibody, hFc Tag with the EC50 of 11.2ng/ml determined by ELISA.