

For Research Use Only

# AXL Monoclonal antibody

Catalog Number: 68108-1-Ig



## Basic Information

<b>Catalog Number:</b> 68108-1-Ig	<b>GenBank Accession Number:</b> BC032229	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 558	<b>CloneNo.:</b> 3D12F11
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P30530	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> AXL receptor tyrosine kinase	
<b>Immunogen Catalog Number:</b> AG14401	<b>Calculated MW:</b> 894 aa, 98 kDa	
	<b>Observed MW:</b> 130-140 kDa	

## Applications

<b>Tested Applications:</b> WB, FC, ELISA	<b>Positive Controls:</b> WB : NCI-H1299 cells, A549 cells, U2OS cells, A431 cells, HeLa cells
<b>Species Specificity:</b> Human	

## Background Information

Axl, also known as Ufo or Ark, is a receptor tyrosine kinase of the TAM (Tyro3, Axl and Mer) family. Axl is a single-pass type I membrane protein containing two fibronectin type-III domains, two Ig-like C2-type domains and one protein kinase domain. Axl mRNA is widely expressed with highest levels in the heart and skeletal muscle. Gas6 has been identified as a ligand for human Axl. Gas6/Axl signaling plays a role in cell survival, cell proliferation, migration and differentiation. It has been reported that 110-120 kDa non-glycosylated AXL protein can be detected (PMID: 31171001). Endogenous Axl is auto-phosphorylated and reacted with a tyrosine-phosphorylated protein of 140 kDa (PMID: 12730092).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

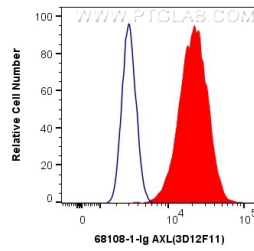
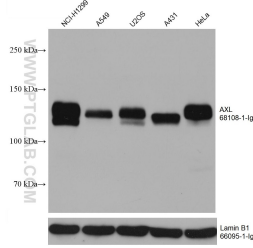
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68108-1-Ig (AXL antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with Lamin B1 Monoclonal antibody (66095-1-Ig) as loading control.

$1 \times 10^6$  HeLa cells were intracellularly stained with 0.4  $\mu$ g Anti-Human AXL (68108-1-Ig, Clone:3D12F11) and Coralite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4  $\mu$ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).