

For Research Use Only

AXL Monoclonal antibody

Catalog Number: 68108-1-Ig



Basic Information

Catalog Number:

68108-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG14401

GenBank Accession Number:

BC032229

GeneID (NCBI):

558

UNIPROT ID:

P30530

Full Name:

AXL receptor tyrosine kinase

Calculated MW:

894 aa, 98 kDa

Observed MW:

130-140 kDa

Purification Method:

Protein G purification

CloneNo.:

3D12F11

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, FC, ELISA

Species Specificity:

Human

Positive Controls:

WB : NCI-H1299 cells, A549 cells, U2OS cells, A431 cells, HeLa cells

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

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

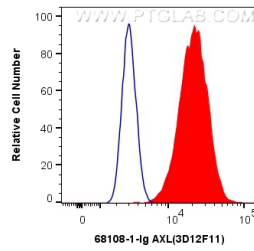
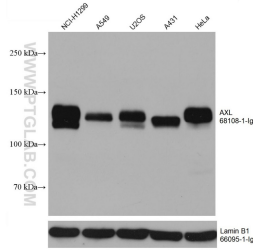
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Selected Validation Data



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.

1×10^6 HeLa cells were intracellularly stained with 0.4 μ 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 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).