



## Mouse anti AXL Monoclonal Antibody

Alternative Name(s): ARK; UFO; JTK11; Tyro7

### Order Information

- **Description:** AXL
- **Catalogue:** 604-420
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** 10E7.1D2
- **Application:** IHC(P), WB
- **Reactivity:** Hu

### **ANTIGEN PREPARATION**

A recombinant protein of human AXL

### **BACKGROUND**

AXL is a transforming gene isolated from primary human myeloid leukemia cells. The protein encoded by this gene is a member of the Tyro3-Axl-Mer (TAM) receptor tyrosine kinase subfamily. The encoded protein possesses an extracellular domain which is composed of two immunoglobulin-like motifs at the N-terminal, followed by two fibronectin type-III motifs. It transduces signals from the extracellular matrix into the cytoplasm by binding to the vitamin K-dependent protein growth arrest-specific 6 (Gas6). This gene may be involved in several cellular functions including growth, migration, aggregation and anti-inflammation in multiple cell types. Alternative splicing results in multiple transcript variants of this gene. AXL is overexpressed in several haematologic and solid malignancies, including acute myeloid leukaemia, non-small cell lung cancer, gastric and colorectal adenocarcinomas, and breast and prostate cancers. AXL is an attractive candidate not only as a prognostic biomarker in malignancy but also as a target for anticancer therapies

### **PURIFICATION**

The Mouse IgG is purified by Affinity Purification

### **FORMULATION**

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

### **SPECIFICITY**

This antibody recognizes human AXL protein. The other species are not tested.

### **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 130.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

\*Optimal dilutions should be determined by researchers for the specific applications.

### **FOR RESEARCH USE ONLY.**

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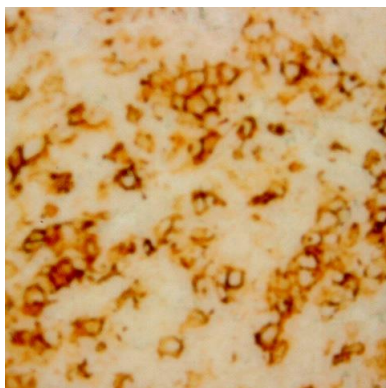


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## DATA ATTACHMENTS



Immunohistochemistry: Human Hodgkin's lymphoma (FFPE) stained with Mouse anti-AXL (Cat# 604-420) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

## REFERENCES

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