

Axl Monoclonal Antibody (E.614.5)

Catalog NumberMA5-14987

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Non-human primate, Pig
Host/Isotope	Rabbit / IgG	Tested Applications	Dilution *
Class	Monoclonal		
Type	Antibody	Western Blot (WB)	1:1,000
Clone	E.614.5	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Immunogen	Recombinant human Axl proteins		
Conjugate	Unconjugated		
Form	Liquid		
Purification	Affinity chromatography		
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol		
Contains	<0.02% sodium azide		
Storage Conditions	-20°C		

Product specific information

It is not recommended to aliquot this antibody. This antibody is not cross-reactive with related proteins.

Background/Target Information

AXL is a chronic myelogenous leukemia-associated oncogene that is also associated with colon cancer and melanoma. The AXL protein is a receptor tyrosine kinase that transduces signals from the extracellular matrix into the cytoplasm by binding growth factors like vitamin K-dependent protein growth-arrest-specific gene 6, and is involved in the stimulation of cell proliferation. TAM receptors are also involved in phagocytosis of apoptotic cells. Mice lacking all three TAM receptors have several degenerative phenotypes linked to inefficient removal of apoptotic cells and membranes (e.g., in the retina and the male reproductive tract) and develop a severe autoimmune phenotype akin to systemic lupus erythematosus, including the production of broad spectrum auto-antibodies. In addition, Axl may function as a putative entry receptor for filoviruses. Axl is also used to identify a specific subpopulation of human blood dendritic cells, also referred to as Siglec 6+/Axl+ dendritic cells. Cellular expression of Axl can be upregulated by TLR ligands, such as LPS or poly I:C. Soluble Axl is generated by proteolytic cleavage of the membrane form. Increased plasma levels may be indicative of inflammation and cancer.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization.

Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample.

NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON-INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (i) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (ii) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (iii) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (iv) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.