



Mouse growth arrest-specific gene-6(gas-6)ELISA Kit

Product Code	CSB-E14145m
Abbreviation	GAS6
Protein Biological Process 1	Cardiovascular
Target Name	growth arrest-specific 6
Uniprot No.	Q61592
Alias	AXLLG, AXSF, DKFZp666G247, FLJ34709, AXL receptor tyrosine kinase ligand AXL stimulatory factor
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Growth regulation
Sample Types	serum, plasma, tissue homogenates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	17.086 pg/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cardiovascular
Gene Names	Gas6
Tag Info	quantitative
Protein Description	Sandwich

Description

This mouse GAS6 ELISA kit employs the quantitative sandwich enzyme immunoassay technique to measure the levels of mouse GAS6 in serum, plasma, or tissue homogenates. It also uses the enzyme-substrate chromogenic reaction to visualize and analyze the analyte levels through the color intensity. The intensity of the colored product is in direct proportion to the GAS6 levels in the sample and is measured at 450 nm through a microplate reader.

GAS6 is a vitamin K-dependent protein prominently expressed in endothelial cells, vascular smooth muscle cells, and bone marrow. It is involved in the regulation of several biological processes in cells, including proliferation,



survival, migration, differentiation, adhesion, and apoptosis. GAS6 exerts these functions by binding to TAM receptors (Tyro3, Axl, and Mer). Vascular GAS6 upregulates tissue factors in vascular cells when vessel injury occurs, leading to activation of the extrinsic coagulation pathway and thrombus formation. When activated by GAS6, TAM receptors stimulate hemostasis by facilitating platelet stabilization. GAS6/TAM signaling is required for the proliferation and migration of cancer cells. GAS6 is overexpressed in melanoma, schwannoma, and glioma.

Target Details

This gene product is a gamma-carboxyglutamic acid (Gla)-containing protein thought to be involved in the stimulation of cell proliferation, and may play a role in thrombosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Msds

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