ARG82086
Mouse GAS6 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82086-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82086-002	Standard	2 X 10 ng/vial	4°C
ARG82086-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82086-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82086-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82086-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82086-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82086-008	25X Wash buffer	20 ml	4°C
ARG82086-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82086-010	STOP solution	10 ml (Ready to use)	4°C
ARG82086-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82086 Mouse GAS6 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse GAS6 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	GAS6
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.3%; Inter-Assay CV: 5.8%
Alternate Names	Growth arrest-specific protein 6; AXLLG; AXSF; GAS-6; AXL receptor tyrosine kinase ligand

Application Instructions

Assay Time	~ 5 hours

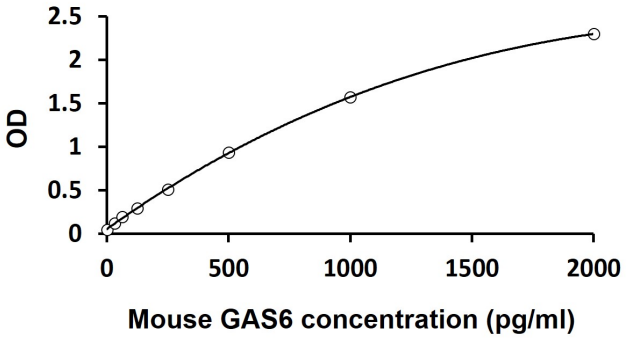
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	GAS6
Gene Full Name	growth arrest-specific 6
Background	This gene encodes a gamma-carboxyglutamic acid (Gla)-containing protein thought to be involved in the stimulation of cell proliferation. This gene is frequently overexpressed in many cancers and has been implicated as an adverse prognostic marker. Elevated protein levels are additionally associated with a variety of disease states, including venous thromboembolic disease, systemic lupus erythematosus, chronic renal failure, and preeclampsia. [provided by RefSeq, Aug 2014]
Function	Ligand for tyrosine-protein kinase receptors AXL, TYRO3 and MER whose signaling is implicated in cell growth and survival, cell adhesion and cell migration. GAS6/AXL signaling plays a role in various processes such as endothelial cell survival during acidification by preventing apoptosis, optimal cytokine signaling during human natural killer cell development, hepatic regeneration, gonadotropin-releasing hormone neuron survival and migration, platelet activation, or regulation of thrombotic responses. [UniProt]
Highlight	Related products: GAS6 antibodies; GAS6 ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Isoform 1 is proteolytically processed after secretion to yield a N-terminal 36 kDa protein and a C-terminal 50 kDa protein including the laminin G-like domains which activates AXL. Gamma-carboxyglutamate residues are formed by vitamin K dependent carboxylation. These residues are essential for the binding of calcium. [UniProt]
Cellular Localization	Secreted. [UniProt]

Images



ARG82086 Mouse GAS6 ELISA Kit standard curve image

ARG82086 Mouse GAS6 ELISA Kit results of a typical standard run with optical density reading at 450 nm.