

ARG82547 Rat MAG ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82547-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82547-002	Standard	2 X 10 ng/vial	4°C
ARG82547-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82547-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82547-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82547-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82547-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82547-008	25X Wash buffer	20 ml	4°C
ARG82547-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82547-010	STOP solution	10 ml (Ready to use)	4°C
ARG82547-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82547 Rat MAG ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat MAG in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	MAG
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	50 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	78 - 5000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.6% Inter-Assay CV: 6.9%

Alternate Names GMA; Myelin-associated glycoprotein; SIGLEC4A; S-MAG; Siglec-4a; SIGLEC-4A

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 MAG

Gene Full Name myelin associated glycoprotein

Background The protein encoded by this gene is a type I membrane protein and member of the immunoglobulin superfamily. It is thought to be involved in the process of myelination. It is a lectin that binds to sialylated glycoconjugates and mediates certain myelin-neuron cell-cell interactions. Three alternatively spliced transcripts encoding different isoforms have been described for this gene. [provided by RefSeq, Nov 2010]

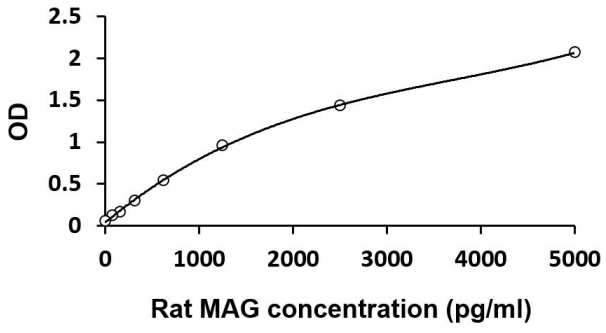
Function Adhesion molecule in postnatal neural development that mediates sialic-acid dependent cell-cell interactions between neuronal and myelinating cells. Preferentially binds to alpha-2,3-linked sialic acid (By similarity). [UniProt]

Highlight Related products:
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New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

PTM N-glycosylated.

Phosphorylated on tyrosine residues. [UniProt]

Cellular Localization Cell membrane; Single-pass type I membrane protein. Membrane raft. [UniProt]



ARG82547 Rat MAG ELISA Kit standard curve image

ARG82547 Rat MAG ELISA Kit results of a typical standard run with optical density reading at 450 nm.