

## Rat Myelin-associated glycoprotein (MAG) ELISA Kit

Catalog No: #EK9966



Package Size: #EK9966-1 48T #EK9966-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	Rat Myelin-associated glycoprotein (MAG) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
Other Names	GMA; S-MAG; SIGLEC-4A; SIGLEC4A; myelin-associated glycoprotein sialic acid-binding immunoglobulin-like lectin 4A
Accession No.	P07722
Uniprot	P07722
GenID	29409;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.129 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate MAG in samples. An antibody specific for MAG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMAG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MAG is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MAG bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Myelin-associated glycoprotein (MAG) is a cell membrane glycoprotein that is a member of the SIGLEC family of proteins and is a functional ligand of the NOGO-66 receptor, NgR MAG is believed to be involved in myelination during nerve regeneration.Myelin-associated glycoprotein (MAG), a membrane protein of 100 kD, is thought to be involved in the process of myelination (Barton et al., 1987). MAG is a sialic acid-binding SIGLEC protein and is a functional ligand for the NOGO receptor (NGR, or RTN4R) (Liu et al., 2002).Spagnol et al. (1989) found that MAG cDNA clones isolated from a human brain cDNA library had an open reading frame of 1,878 nucleotides encoding a peptide of 626 amino acids with a calculated molecular weight of 69.1 kD.

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Note: This product is for in vitro research use only