

Human Myelin-Associated Glycoprotein (MAG) ELISA Kit | MAG elisa kit

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CATALOG #
AAA331898

REACTIVITY
Human

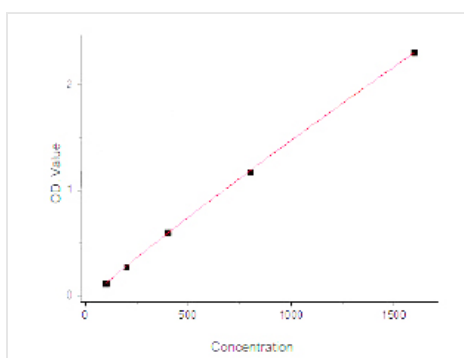
PRODUCT SYNONYMS

Myelin-Associated Glycoprotein (MAG); Human Myelin-Associated Glycoprotein (MAG) ELISA Kit; MAG; GMA; S-MAG; SIGLEC-4A; SIGLEC4A; myelin-associated glycoprotein; sialic acid-binding immunoglobulin-like lectin 4A; MAG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	626
Assay Type	Sandwich
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAG elisa kit

Principle of the Assay: Human Myelin-Associated Glycoprotein (MAG) ELISA Kit 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 any MAG present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human MAG detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen 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.

Background/Introduction: Myelin-associated glycoprotein (MAG) is a type 1 transmembrane protein glycoprotein localized in periaxonal Schwann cell and oligodendrocyte membranes, where it plays a role in glial-axonal interactions. MAG 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 in the PNS and is vital for the long-term survival of the myelinated axons following myelinogenesis. In the CNS MAG is one of three main myelin-associated inhibitors of axonal regeneration after injury, making it an important protein for future research on neurogenesis in the CNS.

NCBI AND UNIPROT INFORMATION

NCBI GI #	11225258
NCBI GeneID	4099
NCBI Accession #	NP_002352.1
NCBI GenBank Nucleotide #	NP_002352.1
UniProt Accession #	P20916
NCBI Official Full Name	myelin-associated glycoprotein isoform a
NCBI Official Synonym Full Names	myelin associated glycoprotein
NCBI Official Symbol	MAG
NCBI Official Synonym Symbols	GMA; S-MAG; SPG75; SIGLEC4A; SIGLEC-4A
NCBI Protein Information	myelin-associated glycoprotein
UniProt Protein Name	Myelin-associated glycoprotein
UniProt Gene Name	MAG
UniProt Synonym Gene Names	GMA
UniProt Entry Name	MAG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/myelin-associated-glycoprotein-mag/331898>