

Human MAG ELISA Kit | MAG elisa kit

Human MAG PicoKine ELISA Kit

CATALOG #
AAA125268

REACTIVITY
Human

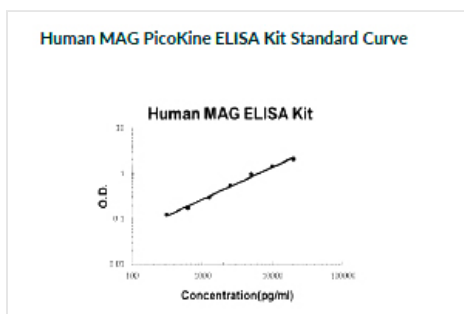
PRODUCT SYNONYMS

MAG; Human MAG PicoKine ELISA Kit; Human MAG; myelin associated glycoprotein; Myelin-associated glycoprotein; Siglec-4a; GMA; MAG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human MAG
Sequence Length	626
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	312pg/ml-20000pg/ml
Sensitivity	<50pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MAG elisa kit	Principle of the Assay: The Picokine™ Human MAG Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human MAG with a 96-well strip plate that is pre-coated with antibody specific for MAG. The detection antibody is a biotinylated antibody specific for MAG. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human MAG with immunogen: Expression system for standard: NSO, Immunogen sequence: G20-P516. The kit is analytically validated with ready to use reagents. To measure Human MAG, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human MAG in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human MAG in the sample.!!Background/Introduction: Myelin-associated glycoprotein (MAG, Siglec-4) 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). This gene is mapped to 19q13.12. 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.
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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.