



Human myelin-associated glycoprotein(MAG) ELISA Kit

Product Code	CSB-E17901h
Abbreviation	MAG
Protein Biological Process 1	Cell Adhesion
Target Name	myelin associated glycoprotein
Uniprot No.	P20916
Alias	GMA, S-MAG, SIGLEC-4A, SIGLEC4A, myelin-associated glycoprotein sialic acid-binding immunoglobulin-like lectin 4A
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Cell adhesion
Sample Types	serum, plasma, cerebrospinal fluid (CSF)
Detection Range	0.625 ng/mL-40 ng/mL
Sensitivity	0.156 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Neuroscience
Gene Names	MAG
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human MAG ELISA Kit was designed for the quantitative measurement of Human MAG protein in serum, plasma, cerebrospinal fluid (CSF). It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 ng/mL.

Target Details

This protein 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. Two alternatively spliced transcripts encoding



different isoforms have been described for this gene.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human MAG in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Serum(n=4)
1:1	Average %	98
	Range %	89-101
1:2	Average %	92
	Range %	84-96
1:4	Average %	90
	Range %	85-95
1:8	Average %	98
	Range %	90-102

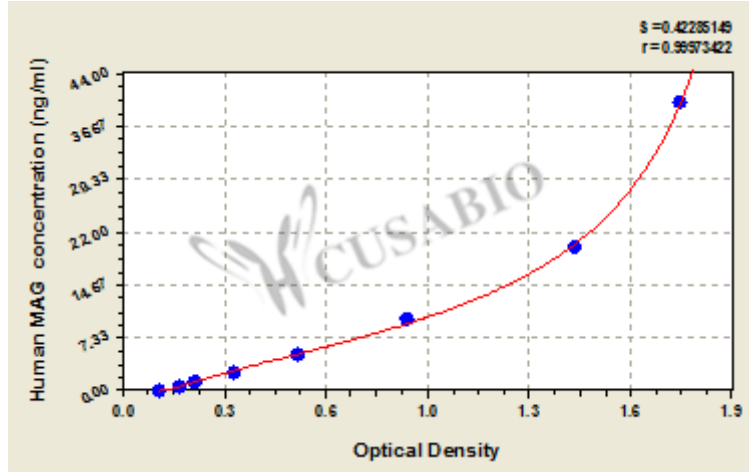
Recovery

The recovery of human MAG spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	97	89-101
EDTA plasma (n=4)	98	90-102

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
40	1.754	1.721	1.738	1.615
20	1.395	1.422	1.409	1.286
10	0.872	0.911	0.892	0.769
5	0.551	0.555	0.553	0.430
2.5	0.365	0.348	0.357	0.234
1.25	0.231	0.242	0.237	0.114
0.625	0.187	0.184	0.186	0.063
0	0.124	0.122	0.123	

Msds

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