

Mouse Myelin Oligodendrocyte Glycoprotein (MOG) ELISA Kit | MOG elisa kit

Mouse Myelin Oligodendrocyte Glycoprotein (MOG)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152501

REACTIVITY
Mouse

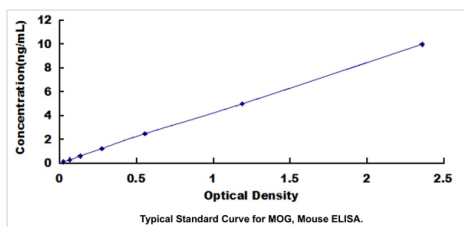
PRODUCT SYNONYMS

Myelin Oligodendrocyte Glycoprotein (MOG); Mouse Myelin Oligodendrocyte Glycoprotein (MOG)(Sandwich ELISA) ELISA Kit; ELISA Kit for Myelin Oligodendrocyte Glycoprotein (MOG); MOG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MOG. No significant cross-reactivity or interference between MOG and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MOG were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MOG were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MOG elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to MOG. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to MOG. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MOG, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of MOG in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MOG in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	113199771
NCBI GeneID	17441
NCBI Accession #	NP_034944.2
NCBI GenBank Nucleotide #	NM_010814.2
UniProt Accession #	Q61885; P70364; Q62003
Molecular Weight	28,271 Da
NCBI Official Full Name	myelin-oligodendrocyte glycoprotein
NCBI Official Synonym Full Names	myelin oligodendrocyte glycoprotein
NCBI Official Symbol	Mog
NCBI Official Synonym Symbols	B230317G11Rik
NCBI Protein Information	myelin-oligodendrocyte glycoprotein
UniProt Protein Name	Myelin-oligodendrocyte glycoprotein
UniProt Gene Name	Mog
UniProt Entry Name	MOG_MOUSE

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/mouse-elisa-kits/myelin-oligodendrocyte-glycoprotein-mog/152501>