

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

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CATALOG #
AAA67951

REACTIVITY
Human

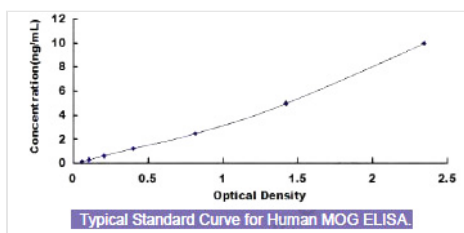
PRODUCT SYNONYMS

Myelin Oligodendrocyte Glycoprotein (MOG); Human Myelin Oligodendrocyte Glycoprotein (MOG) ELISA Kit; MOG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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.
Sequence Length	295
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.065ng/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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MOG elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MOG in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MOG. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56788389
NCBI GeneID	4340
NCBI Accession #	NP_001008229.1
NCBI GenBank Nucleotide #	NM_001008228.2
UniProt Accession #	Q16653; O00713; O00714; O00715; Q13054; Q13055; A6NDR4; A6NNJ9; A8MY31; B0UZR9; E9PGF0; F8W9D5
Molecular Weight	33,528 Da
NCBI Official Full Name	myelin-oligodendrocyte glycoprotein isoform alpha3
NCBI Official Synonym Full Names	myelin oligodendrocyte glycoprotein
NCBI Official Symbol	MOG
NCBI Official Synonym Symbols	BTN6; BTNL11; MOGIG2; NRCLP7
NCBI Protein Information	myelin-oligodendrocyte glycoprotein
UniProt Protein Name	Myelin-oligodendrocyte glycoprotein
UniProt Gene Name	MOG

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-oligodendrocyte-glycoprotein-mog/67951>