

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

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CATALOG #
AAA137649

REACTIVITY
Rat

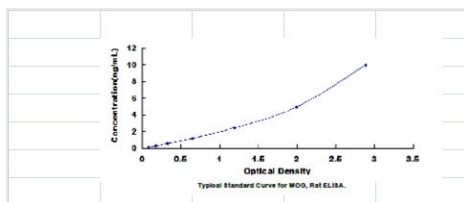
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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	247
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/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	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	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MOG in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. 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.
Product Categories/Family for MOG elisa kit	Infection immunity; Neuroscience; Genetic science; Autoimmunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	984147
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
UniProt Protein Name	Myelin-oligodendrocyte glycoprotein
UniProt Gene Name	MOG
UniProt Entry Name	MOG_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/rat-elisa-kits/myelin-oligodendrocyte-glycoprotein-mog/137649>