

Human Myelin Oligodendrocyte Glycoprotein ELISA Kit | MOG elisa kit

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CATALOG #
AAA246712

REACTIVITY
Human

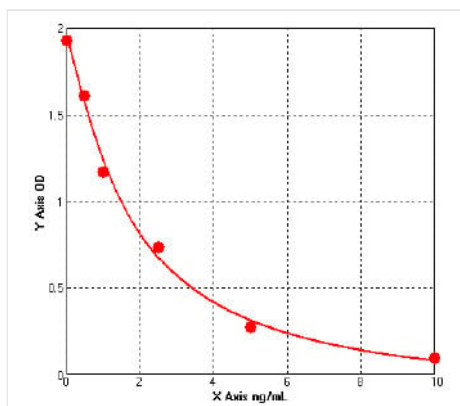
PRODUCT SYNONYMS

Myelin Oligodendrocyte Glycoprotein; Human Myelin Oligodendrocyte Glycoprotein 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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MOG and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MOG elisa kit	Principle of the Assay: MOG ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MOG antibody and an MOG-HRP conjugate. The assay sample and buffer are incubated together with MOG-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MOG concentration since MOG from samples and MOG-HRP conjugate compete for the anti-MOG antibody binding site. Since the number of sites is limited, as more sites are occupied by MOG from the sample, fewer sites are left to bind MOG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MOG concentration in each sample is interpolated from this standard curve. Intended Uses: This MOG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MOG. This ELISA kit for research use only, not for therapeutic or test applications!
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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/mog-human-elisa-kits/myelin-oligodendrocyte-glycoprotein/246712>