

## Human myelin oligodendrocyte glycoprotein ELISA Kit | MOG elisa kit

Human Myelin-oligodendrocyte glycoprotein, MOG ELISA Kit

CATALOG #  
**AAA18236**

REACTIVITY  
**Human**

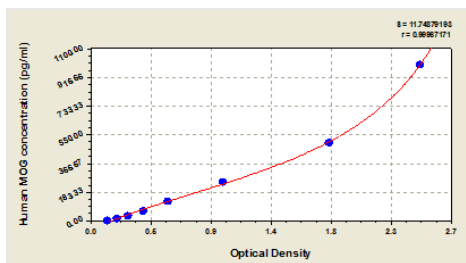
### PRODUCT SYNONYMS

myelin oligodendrocyte glycoprotein; Human Myelin-oligodendrocyte glycoprotein; MOG ELISA Kit; Human Myelin-oligodendrocyte glycoprotein (MOG) ELISA kit; DAQB-92E24.2; MGC26137; MOGIG2; MOG Ig-AluB; MOG elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                               |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human MOG. No significant cross-reactivity or interference between human MOG and analogues was observed. |
| Sequence Length         | 224                                                                                                                                                                                 |
| Assay Type              | Quantitative Sandwich                                                                                                                                                               |
| Samples                 | Serum, plasma, tissue homogenates                                                                                                                                                   |
| Detection Range         | 15.6 pg/ml-1000 pg/ml                                                                                                                                                               |
| Sensitivity             | < 3.9 pg/ml                                                                                                                                                                         |
| Intra-assay 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   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                             |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MOG elisa kit | Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MOG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MOG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MOG is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MOG bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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                 | 28,193 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; MOG Ig-AluB; MOG alpha-5                                  |
| 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/18236>