

Product datasheet

Human/Mouse Myelin oligodendrocyte glycoprotein (MOG) Antibody Pair - BSA and Azide free ab253500

Recombinant RabMAb

3 Images

Overview

Product name	Human/Mouse Myelin oligodendrocyte glycoprotein (MOG) Antibody Pair - BSA and Azide free
Assay type	ELISA set
Range	6.25 pg/ml - 400 pg/ml
Species reactivity	Reacts with: Mouse, Human
Product overview	Human/Mouse MOG Antibody Pair is a matched pair of unconjugated recombinant rabbit monoclonal capture and detection antibodies used to quantify Human/Mouse MOG in sandwich ELISAs and many other pair-based applications.
Notes	<p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>The pair can be used in variety of assays and platforms including but not limited to:</p> <ul style="list-style-type: none">Sandwich ELISAFRET/TR-FRET/HTRFMeso Scale Discovery[®] (MSD[®])Bead-based assaysAlphaLISA[®]/AlphaScreen[®]DELFI[®] immunoassaysSimoa[®] and Single Molecule Counting (SMC[™]) immunoassaysMultiplex <p>Our antibody pairs are supplied in a carrier-free format that is conjugation-ready: Buffer free of BSA, sodium azide, and glycerol for higher conjugation efficiency. Concentration of ~1 mg/ml as measured by the protein A280 method. Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>We can label antibodies for you: get in touch today to discuss how we can help accelerate your assay development with custom conjugation services.</p> <p>Pairs are screened in biological samples, including plasma and serum, to ensure specificity in complex samples.</p> <p>Please note:</p>

The recommended antibody orientation is based on internal optimization in sandwich ELISA. Antibody orientation is assay dependent and needs to be optimized for each assay type.

The range provided for this antibody pair is based on initial sandwich ELISA validation data using recombinant protein. Performance and range of the antibody pair will depend on the specific characteristics of your assay, including standard protein selection.

We guarantee the product works in sandwich ELISA, but we do not guarantee the sensitivity or dynamic range of the antibodies in other assays.

Antibody properties:

Capture antibody: recombinant rabbit monoclonal (unconjugated) – 100 µg

Detector antibody: recombinant rabbit monoclonal (unconjugated) - 100 µg

Concentration: ~1 mg/ml

Storage buffer: 100% PBS

Form: Liquid

Isotype: IgG

Recombinant monoclonal antibodies offer several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

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Tested applications

Suitable for: Sandwich ELISA

Platform

Reagents

Properties

Storage instructions

Store at +4°C. Please refer to protocols.

Carrier free

Yes

Components	10 x 96 tests
Human/Mouse MOG Detector Antibody (unconjugated)	1 x 100µg
Human/Mouse MOG Capture Antibody (unconjugated)	1 x 100µg

Function

Mediates homophilic cell-cell adhesion (By similarity). Minor component of the myelin sheath. May be involved in completion and/or maintenance of the myelin sheath and in cell-cell communication.

Tissue specificity

Found exclusively in the CNS, where it is localized on the surface of myelin and oligodendrocyte cytoplasmic membranes.

Sequence similarities

Belongs to the immunoglobulin superfamily. BTN/MOG family.
 Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Cellular localization

Cell membrane.

Applications**The Abpromise guarantee**


Our **Abpromise guarantee** covers the use of ab253500 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.


Application	Abreviews	Notes
Sandwich ELISA		Use at an assay dependent concentration.

Images


Powered by
recombinant antibodies




Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



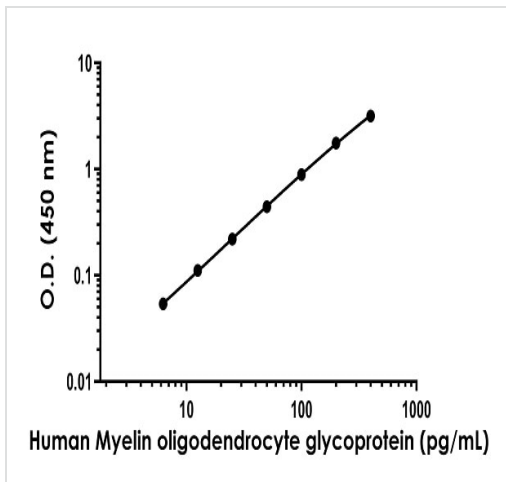
Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

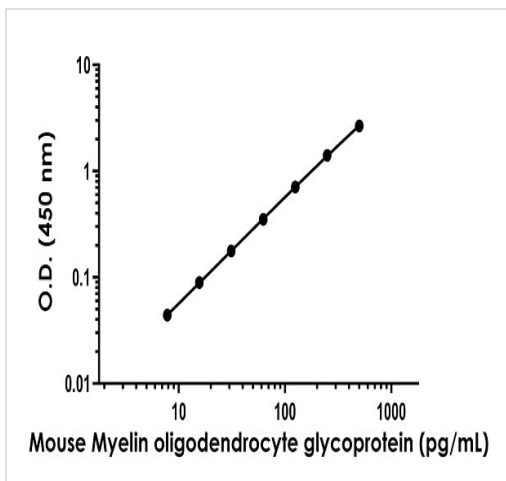
Sandwich ELISA - Antibody Pair - BSA and Azide
 Free (ab253500)

To learn more about the advantages of recombinant antibodies see [here](#).



Representative Human Myelin oligodendrocyte glycoprotein (MOG) standard curve using sandwich ELISA method

Representative standard curve from corresponding SimpleStep ELISA® Kit ([ab278115](#)), which uses the same antibody pair. For additional information on the performance of pair and kit, refer to the corresponding kit datasheet. Due to differences in the formulation and format of the antibodies in this pair, they cannot be used as substitutes for the antibody components in our SimpleStep ELISA® Kits.



Representative Mouse Myelin oligodendrocyte glycoprotein (MOG) standard curve using sandwich ELISA method

Representative standard curve from corresponding SimpleStep ELISA® Kit ([ab282304](#)), which uses the same antibody pair. For additional information on the performance of pair and kit, refer to the corresponding kit datasheet. Due to differences in the formulation and format of the antibodies in this pair, they cannot be used as substitutes for the antibody components in our SimpleStep ELISA® Kits.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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