

## Mouse Anti-myelin basic protein antibody ELISA Kit | MBP elisa kit

Mouse Anti-myelin basic protein antibody ELISA Kit

CATALOG #  
**AAA87492**

REACTIVITY  
**Mouse**

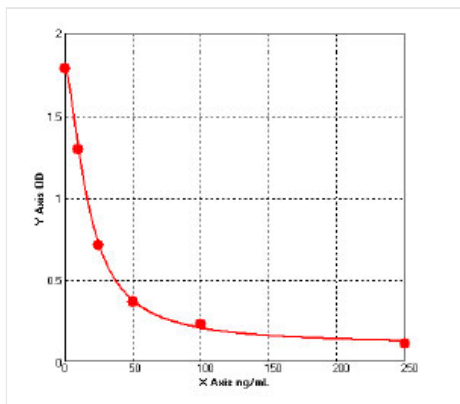
### PRODUCT SYNONYMS

Anti-myelin basic protein antibody; Mouse Anti-myelin basic protein antibody ELISA Kit; MBP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Anti-MBP. No significant cross-reactivity or interference between Anti-MBP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Anti-MBP and all the analogues, therefore, cross reaction may still exist in some cases. |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                           |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                             |
| Sensitivity             | 1.0 ng/mL                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                  |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MBP elisa kit | <p>Intended Uses: This Anti-MBP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse Anti-MBP. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>Principle of the Assay: Anti-MBP ELISA kit applies the competitive enzyme immunoassay technique utilizing Myelin Basic Protein antigen and an Anti-MBP-HRP conjugate. The assay sample and buffer are incubated together with Anti-MBP-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 Anti-MBP concentration since Anti-MBP from samples and Anti-MBP-HRP conjugate compete for the Myelin Basic Protein antigen binding site. Since the number of sites is limited, as more sites are occupied by Anti-MBP from the sample, fewer sites are left to bind Anti-MBP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Anti-MBP concentration in each sample is interpolated from this standard curve.</p> |
| Product Categories/Family for MBP elisa kit   | Cell Biology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 70166270                                                                                                                                                |
| NCBI GeneID                      | 24547                                                                                                                                                   |
| NCBI Accession #                 | NP_001020465.1                                                                                                                                          |
| NCBI GenBank Nucleotide #        | NM_001025294.1                                                                                                                                          |
| Molecular Weight                 | 17,240 Da                                                                                                                                               |
| NCBI Official Full Name          | myelin basic protein isoform 4                                                                                                                          |
| NCBI Official Synonym Full Names | myelin basic protein                                                                                                                                    |
| NCBI Official Symbol             | Mbp                                                                                                                                                     |
| NCBI Official Synonym Symbols    | Mbps                                                                                                                                                    |
| NCBI Protein Information         | Golli-Mbp; myelin basic protein; MBP S; myelin basic protein S; myelin basic protein Golli-mbp; Golli-Mbp; myelin basic protein; myelin basic protein S |
| UniProt Protein Name             | Myelin basic protein                                                                                                                                    |
| UniProt Gene Name                | Mbp                                                                                                                                                     |
| UniProt Synonym Gene Names       | MBP                                                                                                                                                     |
| UniProt Entry Name               | MBP_RAT                                                                                                                                                 |

**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.