

## Chicken Myelin Basic Protein ELISA Kit | MBP elisa kit

Chicken Myelin Basic Protein ELISA Kit

CATALOG #  
**AAA91786**

REACTIVITY  
**Chicken**

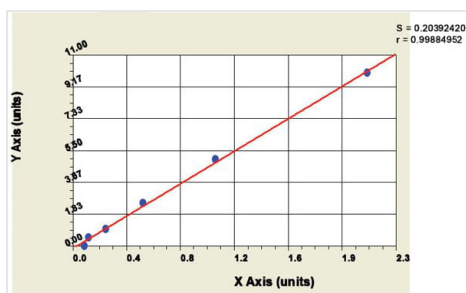
### PRODUCT SYNONYMS

Myelin Basic Protein; Chicken Myelin Basic Protein ELISA Kit; MBP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Chicken                                                                                                                                                                                |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Assay Type              | Sandwich                                                                                                                                                                               |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                             |
| Intended Uses           | This MBP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken MBP. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C                                                                                                                                                     |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for MBP elisa kit

**Principle of the Assay:** MBP ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for MBP. Standards or samples are then added to the microtiter plate wells and MBP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of MBP present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for MBP are added to each well to "sandwich" the MBP immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain MBP and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MBP concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for MBP elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 49456793                                                                                               |
| NCBI GeneID                      | 4155                                                                                                   |
| UniProt Accession #              | P02686; Q15337; Q15338; Q15339; Q15340; A4FU54; A6NI84; A8MY86; A8MYL4; B3KY66; B7ZKS2; B7ZKS4; Q6ZVA1 |
| Molecular Weight                 | 33,117 Da                                                                                              |
| NCBI Official Full Name          | MBP                                                                                                    |
| NCBI Official Synonym Full Names | myelin basic protein                                                                                   |
| NCBI Official Symbol             | MBP                                                                                                    |
| NCBI Protein Information         | Golli-MBP; myelin basic protein; myelin A1 protein; myelin membrane encephalitogenic protein           |
| UniProt Protein Name             | Myelin basic protein                                                                                   |
| UniProt Gene Name                | <b>MBP</b>                                                                                             |
| UniProt Synonym Gene Names       | MBP                                                                                                    |
| UniProt Entry Name               | MBP_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/mbp-chicken-elisa-kits/myelin-basic-protein/91786>