

Rat Myelin Basic Protein (MBP) ELISA Kit | MBP elisa kit

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CATALOG #
AAA148391

REACTIVITY
Rat

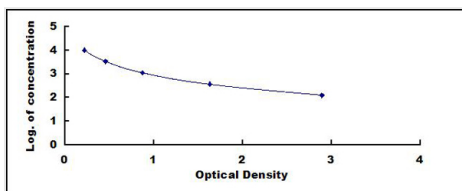
PRODUCT SYNONYMS

Myelin Basic Protein (MBP); Rat Myelin Basic Protein (MBP) ELISA Kit; Myelin A1 protein; Myelin membrane encephalitogenic protein; MBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Myelin Basic Protein (MBP). No significant cross-reactivity or interference between Myelin Basic Protein (MBP) and analogues was observed.
Sequence Length	158
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	24.69-2,000pg/mL
Sensitivity	9.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Myelin Basic Protein (MBP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Myelin Basic Protein (MBP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MBP elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Myelin Basic Protein (MBP) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Myelin Basic Protein (MBP) and unlabeled Myelin Basic Protein (MBP) (Standards or samples) with the pre-coated antibody specific to Myelin Basic Protein (MBP). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Myelin Basic Protein (MBP) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Myelin Basic Protein (MBP) in the sample.
Product Categories/Family for MBP elisa kit	Infection immunity; Neuroscience; Autoimmunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	70166245
NCBI GeneID	24547
NCBI Accession #	NP_001020462.1
NCBI GenBank Nucleotide #	NM_001025291.1
UniProt Accession #	P02688; Q505J1; Q8R4K6; Q9Z1J4; Q9Z1J5; Q9Z1J6
Molecular Weight	17,240 Da
NCBI Official Full Name	myelin basic protein isoform 1
NCBI Official Synonym Full Names	myelin basic protein
NCBI Official Symbol	Mbp
NCBI Official Synonym Symbols	Mbps
NCBI Protein Information	myelin basic protein; Golli-Mbp
UniProt Protein Name	Myelin basic protein
UniProt Gene Name	Mbp
UniProt Synonym Gene Names	MBP

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://www.aaabiotech.com/rat-elisa-kits/myelin-basic-protein-mbp/148391>