

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

Rat Anti-myelin basic protein antibody ELISA Kit

CATALOG #
AAA87886

REACTIVITY
Rat

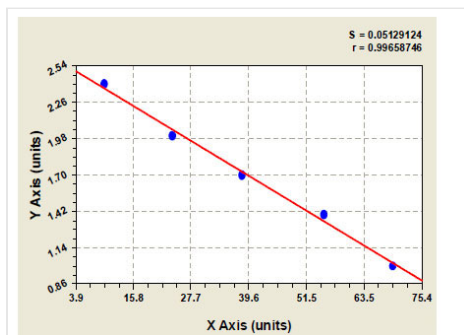
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250ng/mL
Sensitivity	1.0ng/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

Intended Uses: This MBP-Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MBP-Ab. This ELISA kit for research use only!

Principle of the Assay||MBP-Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MBP-Ab antibody and an MBP-Ab-HRP conjugate. The assay sample and buffer are incubated together with MBP-Ab-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 MBP-Ab concentration since MBP-Ab from samples and MBP-Ab-HRP conjugate compete for the anti-MBP-Ab antibody binding site. Since the number of sites is limited, as more sites are occupied by MBP-Ab from the sample, fewer sites are left to bind MBP-Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MBP-Ab concentration in each sample is interpolated from this standard curve.

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.