

Human Myelin Basic Protein isoforms (isoform4-isoform14) ELISA Kit | MBP elisa kit

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CATALOG #
AAA97614

REACTIVITY
Human

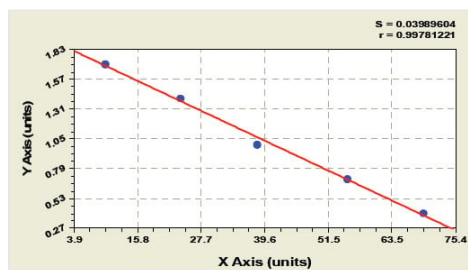
PRODUCT SYNONYMS

Myelin Basic Protein isoforms (isoform4-isoform14); Human Myelin Basic Protein isoforms (isoform4-isoform14) ELISA Kit; MBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This MBPios4-14 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MBPios4-14. 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: MBPios4-14 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MBPios4-14 antibody and an MBPios4-14-HRP conjugate. The assay sample and buffer are incubated together with MBPios4-14-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 MBPios4-14 concentration since MBPios4-14 from samples and MBPios4-14-HRP conjugate compete for the anti-MBPios4-14 antibody binding site. Since the number of sites is limited, as more sites are occupied by MBPios4-14 from the sample, fewer sites are left to bind MBPios4-14-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MBPios4-14 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68509928
NCBI GeneID	4155
NCBI Accession #	NP_001020261.1
NCBI GenBank Nucleotide #	NM_001025090.1
Molecular Weight	17,343 Da
NCBI Official Full Name	myelin basic protein isoform 3
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	MBP
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://www.aaabiotech.com/human-elisa-kits/myelin-basic-protein-isoforms-isoform4-isoform14/97614>