

Mouse Major Basic Protein (MBP) CLIA Kit | MBP clia kit

Mouse Major Basic Protein (MBP) CLIA Kit

CATALOG # AAA189029	REACTIVITY Mouse	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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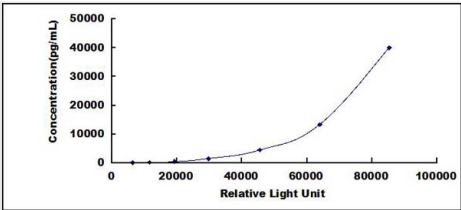
PRODUCT SYNONYMS

Major Basic Protein (MBP); Mouse Major Basic Protein (MBP) CLIA Kit; Major Basic Protein; PRG2; BMPG; Proteoglycan 2; Bone Marrow; Natural Killer Cell Activator; Eosinophil Granule Major Basic Protein; Pregnancy-associated major basic; MBP clia kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Major Basic Protein (MBP). No significant cross-reactivity or interference between Major Basic Protein (MBP) and analogues was observed.
Sequence Length	223
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates and other biological fluids
Detection Range	54.9-40,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 18.8pg/mL
Applicable Applications for MBP clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Major 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 Major 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%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Major Basic Protein (MBP). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Major Basic Protein (MBP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Major Basic Protein (MBP) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	6679457
NCBI GeneID	19074
NCBI Accession #	NP_032946.1
NCBI GenBank Nucleotide #	NP_032946.1
UniProt Accession #	Q61878
NCBI Official Full Name	bone marrow proteoglycan
NCBI Official Synonym Full Names	proteoglycan 2, bone marrow
NCBI Official Symbol	Prg2
NCBI Official Synonym Symbols	MBP; EMBP; mMBP; mMBP-1
NCBI Protein Information	bone marrow proteoglycan
UniProt Protein Name	Bone marrow proteoglycan
UniProt Gene Name	Prg2
UniProt Synonym Gene Names	Mbp-1; BMPG; EMBP; 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/mouse-clia-kits/major-basic-protein-mbp/189029>