

Mouse Mannose Binding Lectin (MBL) ELISA Kit | MBL elisa kit

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CATALOG #
AAA67114

REACTIVITY
Mouse

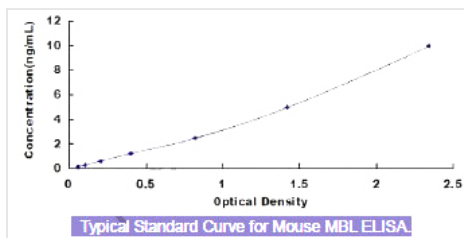
PRODUCT SYNONYMS

Mannose Binding Lectin (MBL); Mouse Mannose Binding Lectin (MBL) ELISA Kit; MBL2 COLEC1 HSMBPC MBP1 MBP Collectin-1 Mannose-binding protein C Mannan Binding Protein Mannose-Binding Lectin(Protein C)2; Soluble(Opsonic Defect); MBL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MBL. No significant cross-reactivity or interference between MBL and analogues was observed.
Sequence Length	239
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.064ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MBL were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MBL were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MBL elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MBL in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MBL. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MBL. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MBL, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of MBL in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6754654
NCBI GeneID	17194
NCBI Accession #	NP_034905.1
NCBI GenBank Nucleotide #	NM_010775.2
UniProt Accession #	P39039; Q0P6H1
Molecular Weight	15,600 Da
NCBI Official Full Name	mannose-binding protein A
NCBI Official Synonym Full Names	mannose-binding lectin (protein A) 1
NCBI Official Symbol	Mbl1
NCBI Official Synonym Symbols	MBL-A; MBP-A; S-MBP
NCBI Protein Information	mannose-binding protein A
UniProt Protein Name	Mannose-binding protein A
UniProt Gene Name	Mbl1
UniProt Synonym Gene Names	MBP-A; RaRF p28B

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.