

Human Mannma Binding Protein/Mannan Binding Lectin (MBP/MBL) ELISA Kit | MBP/MBL elisa kit

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CATALOG #
AAA331851

REACTIVITY
Human

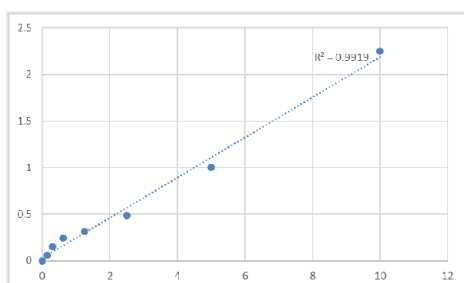
PRODUCT SYNONYMS

Mannma Binding Protein/Mannan Binding Lectin (MBP/MBL); Human Mannma Binding Protein/Mannan Binding Lectin (MBP/MBL) ELISA Kit; MBL2; COLEC1; HSMBPC; MBL; MBP; MBP1; MGC116832; MGC116833; mannan-binding lectin; mannose-binding lectin 2; soluble (opsonic defect); mannose-binding protein C; soluble mannose-binding lectin; MBP/MBL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Mannma binding protein/mannan binding lectin (MBP/MBL) ELISA Kit has high sensitivity and excellent specificity for detection of Human MBL2. No significant cross-reactivity or interference between Human MBL2 and analogues was observed.
Sequence Length	248
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Mannma binding protein/mannan binding lectin (MBP/MBL) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MBP/MBL elisa kit	Description: This Human Mannma binding protein/mannan binding lectin (MBP/MBL) ELISA Kit employs a two-site sandwich ELISA to quantitate MBL2 in samples. An antibody specific for MBL2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MBL2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MBL2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MBL2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Mannosebinding protein (MBP), initiates the lectin branch of the innate immune response by binding to the surface of potentially pathogenic microorganisms and initiating complement fixation through an N-terminal collagen-like domain. MBL is a key component in immune response in that it can directly trigger neutralization of invading microorganisms by an Ab-independent mechanism.It binds to sugars on the surface of bacterial, fungal and parasitic cells through C-terminal, Ca2 -dependent carbohydrate-recognition domains. Mutations of human MBL are associated with immunodeficiency resulting from a reduction in the ability of the mutant MBL to initiate complement fixation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557739
NCBI GeneID	4153
NCBI Accession #	NP_000233.1
NCBI GenBank Nucleotide #	NP_000233.1
UniProt Accession #	P11226
NCBI Official Full Name	mannose-binding protein C
NCBI Official Synonym Full Names	mannose binding lectin 2
NCBI Official Symbol	MBL2
NCBI Official Synonym Symbols	MBL; MBP; MBP1; MBPD; MBL2D; MBP-C; COLEC1; HSMBPC
NCBI Protein Information	mannose-binding protein C
UniProt Protein Name	Mannose-binding protein C
UniProt Gene Name	MBL2
UniProt Synonym Gene Names	COLEC1; MBL; MBP-C
UniProt Entry Name	MBL2_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://stage.aaabiotech.com/human-elisa-kits/mannma-binding-protein-mannan-binding-lectin-mbp-mbl/331851>