SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-Mannan Binding Lectin antibody

Catalog Number: SL1582R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Mannan Binding Lectin
Immunogen:	KLH conjugated synthetic peptide derived from human MBL: 31-130/248
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	ELISA=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rabbit)
Predicted MW.:	26kDa
Subcellular Location:	Secretory protein
Background:	This gene encodes the soluble mannose-binding lectin or mannose-binding protein found in serum. The protein encoded belongs to the collectin family and is an important element in the innate immune system. The protein recognizes mannose and N-acetylglucosamine on many microorganisms, and is capable of activating the classical complement pathway. Deficiencies of this gene have been associated with susceptibility to autoimmune and infectious diseases. [provided by RefSeq, Jul 2008]. **Function:** Calcium-dependent lectin involved in innate immune defense. Binds mannose, fucose and N-acetylglucosamine on different microorganisms and activates the lectin complement pathway. Binds to late apoptotic cells, as well as to apoptotic blebs and to necrotic cells, but not to early apoptotic cells, facilitating their uptake by macrophages. May bind DNA. **Subunit:** Oligomeric complex of 3 or more homotrimers. Interacts with MASP1 and MASP2. Interacts with MEP1A and MEP1B and may inhibit their catalytic activity.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subcellular Location: Secreted. **Tissue Specificity:** Plasma protein produced mainly in the liver. **Similarity:** Contains 1 C-type lectin domain. Contains 1 collagen-like domain. **Database links:** **Entrez Gene:** 4153 Human **Entrez Gene:** 17195 Mouse Omim: 154545 Human **SwissProt:** P11226 Human **SwissProt:** P41317 Mouse **Unigene:** 499674 Human **Unigene:** 30045 Mouse MBL （mannan binding lectin）Mannan-binding lectin，MBLIt is an immune molecule that has both opsonin and direct complement activation functions，Participates in constituting the first line of defense against infection。MBL2It is secreted by the liver during the acute phase response，And participates in natural immune defense。Lectin ligands can exist in a variety of microorganisms，After the two bind, they can lead to opsonization and activate the complement system。

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