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Rabbit Anti-Mannan Binding Lectin antibody

SL1582R

Product Name:	Mannan Binding Lectin
Chinese Name:	甘露聚糖结合凝集素抗体
Alias:	Mbl2; L-MBP; MBL; MBL-C; MBP-C; COLEC 1; COLEC1; HSMBPC; Mannan binding protein; Mannose binding lectin (protein C) 2 soluble; Mannose binding lectin 2 soluble; Mannose binding lectin; Mannose binding lectin protein C2 soluble opsonic defect; Mannose binding protein; Mannose binding protein C; Mannose binding protein C precursor; MBL 2; MBP 1; MBP; MBP C; MBP1; MBPC; MGC116832; MGC116833; Opsonic defect; protein C ; Soluble mannose binding lectin; MBL2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rabbit,
Applications:	IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	26kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MBL:31-130/248
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Subcellular Location:
Secreted.

Tissue Specificity:
Plasma protein produced mainly in the liver.

Similarity:
Contains 1 C-type lectin domain.
Contains 1 collagen-like domain.

SWISS:
P11226

Gene ID:
4153

Database links:

Entrez Gene: 4153Human

Entrez Gene: 17195Mouse

Omim: 154545Human

SwissProt: P11226Human

SwissProt: P41317Mouse

Unigene: 499674Human

Unigene: 30045Mouse

	Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. MBL（mannan binding lectin）甘露聚糖结合凝集素，MBL是一种兼有调理素和直接激活补体功能的免疫分子，参与构成抗感染的第一道防线。MBL2在发生急性期反应时由肝脏分泌，并参与天然免疫防御。凝集素配体可以存在于各种各样的微生物中，两者结合后可以导致调理作用并激活补体系统。