Datasheet for ABIN1108115

anti-MBP/MBL antibody

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Overview

Quantity:	0.1 mg
Target:	MBP/MBL
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This MBP/MBL antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Enzyme Immunoassay (EIA), Immunofluorescence (IF)

Product Details

Immunogen:	Purified MBL-C
Clone:	14D12
Isotype:	IgG2a
Cross-Reactivity (Details):	Species reactivity (tested):Mouse
Purification:	Protein G

Target Details

Target:	MBP/MBL
Alternative Name:	Mannan Binding Protein (MBP/MBL Products)
Background:	Mannose binding lectin (MBL), also called mannose- or mannan-binding protein (MBP), is a

Target Details

	member of the group of collectins. MBL is an important pattern-recognition receptor in the innate immune system. The protein mediates innate immune responses, such as activation of the complement lectin pathway and phagocytosis, to help fight infections. MBL is an oligomeric lectin that recognizes carbohydrates as mannose and N-acetylglucosamine on pathogens. MBL contains a cysteine rich, a collagen like and a carbohydrate recognition domain. Binding of MBL leads to the activation of MBL-associated serine proteases (MASP's). Activated MASP-2 cleaves C4 and C2 in a similar way as C1s do for the classical pathway (CP) leading to the formation of C4b2a, cleavage of the classical pathway convertase C3, and eventually complement activation up to the formation of the membrane attack complex. MBL is able to activate the complement pathway independent of the classical and alternative complement activation pathways. MBL is predominantly synthesized by hepatocytes and has been isolated from the liver or serum of several vertebrate species. Only one form of human MBL has been characterized, while two forms are found in rhesus monkeys, rabbits, rats and mice. The mouse forms are known as MBL-A and MBL-C. The MBL-C concentrations in serum are about 6-fold compared to that of MBL-A. MBL-A, but not MBL-C, was found to be an acute phase protein in casein and LPS-injection models. MBL-C exists in higher oligomeric forms than MBL-A.Synonyms: MBL, MBL2, MBP, MBP-C, MBP1, Mannan-binding protein, Mannose-binding lectin, Mannose-binding protein C
Gene ID:	17195
NCBI Accession:	NP_034906
UniProt:	P41317

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

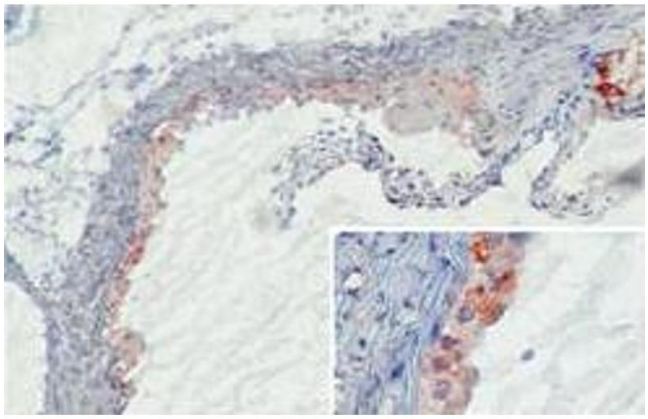
Handling

Concentration:	0.1 mg/mL
Buffer:	PBS, 0.02 % sodium azide, 0.1 % bovine serum albumin
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	4 °C
Storage Comment:	Store at 2 - 8 °C.

Images



Immunohistochemistry

Image 1.