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Datasheet for ABIN1108168

## anti-Mbl1 antibody

### 1 Image

#### Overview

Quantity:	0.1 mg
Target:	Mbl1
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This Mbl1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA), Immunohistochemistry (Frozen Sections) (IHC (fro))

#### Product Details

Immunogen:	Purified mouse MBL-A
Clone:	8G6
Isotype:	IgG
Cross-Reactivity (Details):	Species reactivity (tested):Mouse
Purification:	Protein G

#### Target Details

Target:	Mbl1
Alternative Name:	MBL-A ( <a href="#">Mbl1 Products</a> )
Background:	Mannose Binding Lectin (MBL), also called mannosebinding protein (MBP), is a calcium

## Target Details

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dependent oligomeric protein that belongs to the collectin family of proteins. It contains a collagen-like domain and a carbohydrate recognition domain enabling MBL to recognize carbohydrates (such as mannose and N-acetylglucosamine) on pathogens. MBL is able to activate the complement pathway independent of the classical and alternative complement activation pathways, by using attached mannose binding lectin-associated serine proteases (MASP-2) in an antibody- and C1q-independent manner. MASP-2 permits cleavage of C4 and C2 to form a C3 convertase. Once it has bound, MBL exhibits complement-dependent antibacterial activities such as microbial opsonization and/or microbial lysis via membrane attack complexes and therefore plays an important role in innate immunity. In human, MBL is encoded by a single gene, whereas in mice there are two homologous proteins, termed MBL-A and MBL-C. The MBL-A concentration in serum is about 6-fold lower compared to that of MBL-C... MBL-A, but not MBL-C, was found to be an acute phase protein in casein and LPS-injection models. Moreover, it has been shown that MBL-A deficient mice have aberrant antigen-specific IgM responses and suffer from increased susceptibility to infection.

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Gene ID: 17194

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NCBI Accession: [NP\\_034905](#)

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UniProt: [P39039](#)

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

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Restrictions: For Research Use only

## Handling

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Concentration: 0.1 mg/mL

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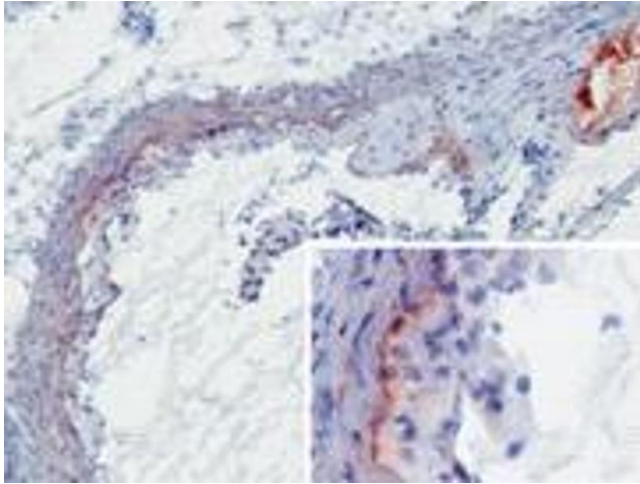
Buffer: PBS, 0.02 % sodium azide, 0.1 % bovine serum albumin

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Preservative: Sodium azide

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Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.



### Immunohistochemistry

**Image 1.**