

Datasheet for ABIN1108168
anti-Mbl1 antibody



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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 (Mbl1 Products) |
| Background: | Mannose Binding Lectin (MBL), also called mannosebinding protein (MBP), is a calcium |

Target Details

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.

Gene ID: 17194

NCBI Accession: [NP_034905](#)

UniProt: [P39039](#)

Application Details

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

Restrictions: For Research Use only

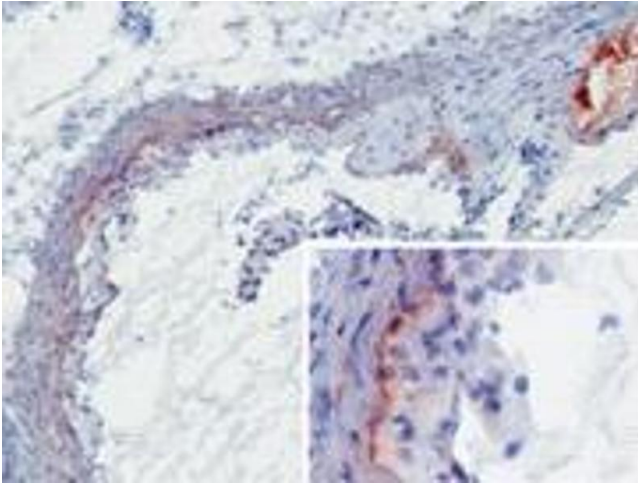
Handling

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.



Immunohistochemistry

Image 1.