

Product datasheet for **AM32118PU-N**

Mannan Binding Lectin (MBL2) Mouse Monoclonal Antibody [Clone ID: 3E7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	3E7
Applications:	ELISA, IHC, Neutralize, WB
Recommended Dilution:	Western Blot. Flow Cytometry. Immunohistochemistry on frozen sections. (The antibody is not useful for staining of paraffin embedded sections.) Immunoassay. Neutralisation. Instructions for use For Western blotting, flow cytometry and immunohistology dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1/50. For neutralization of biological activity dilutions have to be made according to the amounts MBL to be inactivated. Before use in biological assays depending on the assay to be performed it may be necessary to filter sterilise the product. Depending on the concentration to be used the product should be dialyzed against culture medium to remove the sodium azide added. Please inquire for availability of azide free solutions.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody reacts to MBL.
Formulation:	PBS State: Liquid State: Liquid purified Ig fraction Stabilizer: 0,1% BSA Preservative: 0,02% sodium azide



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Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	mannose binding lectin 2
Database Link:	Entrez Gene 4153 Human P11226
Background:	<p>Mannose Binding Lectin (MBL) also called mannose- or mannan-binding protein (MBP) is a member of the group of Collectins. 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. It forms a complex with C1r/C1s like serine proteases designated MASPs that proteolytically cleave C4, C2 and C3. MBL is able to activate the complement pathway independent of the classical and alternative complement activation pathways. The MBL-MASP pathway (better known as the lectin pathway) is antibody and C1q-independent. MBL exhibits complement-dependent antibacterial activity and acts directly as an opsonic and therefore plays an important role in innate immunity.</p> <p>MBL is synthesized by hepatocytes and has been isolated from the liver or serum of various vertebrate species.</p>
Synonyms:	MBP, Mannose-binding protein C, MBP-C, MBP1, Mannan-binding protein, Mannose-binding lectin, MBL2, MBL