

Datasheet for ABIN2191923
anti-MBP/MBL antibody

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Overview

Quantity:	100 µg
Target:	MBP/MBL
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MBP/MBL antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Flow Cytometry (FACS), Immunoassay (IA), Blocking Reagent (BR)

Product Details

Clone:	3E7
Sterility:	0.2 µm filtered

Target Details

Target:	MBP/MBL
Alternative Name:	Mbl (MBP/MBL Products)
Background:	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

Target Details

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. MBL is synthesized by hepatocytes and has been isolated from the liver or serum of various vertebrate species.

Application Details

Application Notes: 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.

Restrictions: For Research Use only

Handling

Buffer: PBS (exact concentration is indicated on the label).

Storage: 4 °C

Storage Comment: Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year.

Expiry Date: 12 months

Publications

Product cited in: Bax, Siersema, Haringsma, Kuipers, Vos, Van Dekken, Van Vliet, Kusters: "High-grade dysplasia in Barrett's esophagus is associated with increased expression of calgranulin A and B." in: **Scandinavian journal of gastroenterology**, Vol. 42, Issue 8, pp. 902-10, (2007) ([PubMed](#)).