

Product datasheet MON7065

MONOSAN[®]

Mouse anti-MBL, clone 3E7 (Monoclonal)

Clone no. 3,00E+07

MONOSAN

Product name	Mouse anti-MBL, clone 3E7 (Monoclonal)
Host	Mouse
Applications	IHC-fr,FC,FUNC,ELISA
Species reactivity	human
Conjugate	-
Immunogen	Unknown or proprietary to MONOSAN and/or its suppliers
Isotype	IgG1
Clonality	Monoclonal
Clone number	3,00E+07
Size	1 ml
Concentration	100 ug/ ml
Format	-
Storage buffer	PBS with 0.1% BSA and 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

Mouse anti-MBL, clone 3E7 (Monoclonal)

Clone no. 3,00E+07

MONOSAN

Additional info

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

References

1. Matsushita; M et al. Biochem Biophys Res Commun 1992; 183: 645
2. Hisano, S et al Am J Kidney Dis 2001, 38: 1082
3. Vries de; B et al. Am J Pathol 2004; 165: 1677
4. Nauta A et al. Eur J Immunol 2003; 33 : 2853
5. Nauta A et al. J Immunol 2004; 173: 3044

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES