

# Product Datasheet

## MBL1 Antibody (8G6) NBP1-60127-0.05mg

Unit Size: 0.05 mg

Store at 4C.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 6

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**NBP1-60127-0.05mg**

MBL1 Antibody (8G6)

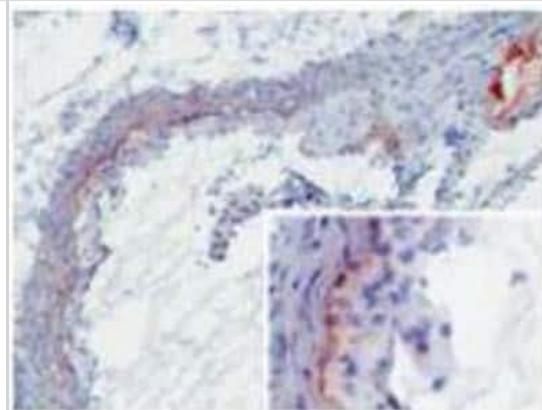
Product Information	
Unit Size	0.05 mg
Concentration	0.1 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	8G6
Preservative	0.02% Sodium Azide
Isotype	IgG2a
Purity	Protein A or G purified
Buffer	0.2 um filtered solution in PBS and 0.1% BSA

Product Description	
Description	Novus Biologicals Rat MBL1 Antibody (8G6) (NBP1-60127) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-MBL1 Antibody: Cited in 6 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	17194
Gene Symbol	Mbl1
Species	Mouse
Immunogen	mouse MBL-A

Product Application Details	
Applications	Western Blot, Immunoassay, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunohistochemistry-Frozen 2 ug/ml, Immunoassay
Application Notes	In Western blots, non-reduced sample treatment was used. The band sizes were 191, 263 and 316 kDa (see Liu, H et al.). For IHC-F: Tissue sections were fixed in 4% PBS-buffered formaldehyde and pretreated with 2% hydrogen peroxide in methanol for 20 minutes at 4 degrees Celsius to quench endogenous peroxidases. (See Windbichler, M et al and Matthijsen, R et al)

**Images**

Immunohistochemistry-Frozen: MBL1 Antibody (8G6) [NBP1-60127] - MBL-A (8G6) deposition in developing murine atherosclerotic lesions. Staining of frozen tissue sections with antibody 8G6. Anti-mouse MBL-A at 2ug/ml (2h, RT). MBL-A was detected on the intima to media border as well as throughout the media (insert). Furthermore, extensive MBL-A deposition was seen at sites of necrosis (upper right corner).



## Publications

Held K, Thiel S, Loos M et al. Increased susceptibility of complement factor B/C2 double knockout mice and mannan-binding lectin knockout mice to systemic infection with *Candida albicans*. *Mol Immunol*. 2008-09-01 [PMID: 18672286]

Windbichler M, Echtenacher B, Takahashi K, Ezekowitz RA, Schwaeble WJ, Jensenius JC, Mannel DN. Investigations on the involvement of the lectin pathway of complement activation in anaphylaxis. *Int Arch Allergy Immunol*;141(1):11-23. 2006-01-01 [PMID: 16804320]

Abe Y, Kuroda Y, Kuboki N, Matsushita M, Yokoyama N, Kojima N. Contribution of complement component C3 and complement receptor type 3 to carbohydrate-dependent uptake of oligomannose-coated liposomes by peritoneal macrophages. *J Biochem*. 144(5):563-70. 2008-11-01 [PMID: 18694897]

Petry F, Jakobi V, Wagner S, Tessema TS, Thiel S, Loos M. Binding and activation of human and mouse complement by *Cryptosporidium parvum* (Apicomplexa) and susceptibility of C1q- and MBL-deficient mice to infection. *de Mol Immunol*;45(12):3392-400. 2008-07-01 [PMID: 18501966]

Liu H, Jensen L, Hansen S, Petersen SV, Takahashi K, Ezekowitz AB, Hansen FD, Jensenius JC, Thiel S. Characterization and quantification of mouse mannan-binding lectins (MBL-A and MBL-C) and study of acute phase responses. *Scand J Immunol*;53(5):489-97. 2001-05-01 [PMID: 11309157]

Matthijsen RA, de Winther MP, Kuipers D et al. Macrophage-specific expression of mannose-binding lectin controls atherosclerosis in low-density lipoprotein receptor-deficient mice. *Circulation* 2009-04-01 [PMID: 19380618]





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### **Products Related to NBP1-60127-0.05mg**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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