

Product Datasheet

MBL-2 Antibody (14D12)

NBP1-60128-0.05mg

Unit Size: 0.05 mg

Store at 4C.

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Publications: 5

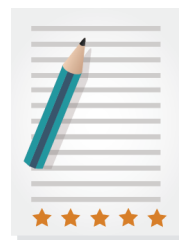
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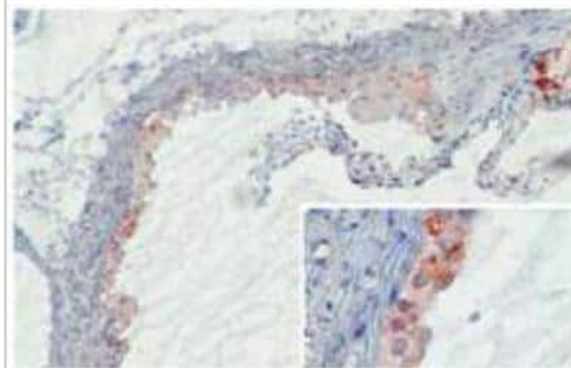
MBL-2 Antibody (14D12)

Product Information	
Unit Size	0.05 mg
Concentration	0.1 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	14D12
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	Positive Control: Mouse Serum and kidney tissue
Host	Rat
Gene ID	17195
Gene Symbol	Mbl2
Species	Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Immunogen	Mouse MBL-C
Product Application Details	
Applications	Western Blot, Functional, 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 1:10-1:500, Functional, Immunoassay 1 ug/ml
Application Notes	For IHC-F: Cryostat sections (7 um) of mouse tissue were acetone fixed and stained o/n at 4 degrees Celsius in TBS/2% goat serum. (Matthijsen, R et al). Immunoassay: Biotinylated 14D12 was used as detector in ELISA in TBS/Tween-20/Ca (see Liu, H et al). For IF: Hyphae of C. albicans were fixed on poly-L-lysine coated slides with ice-cold acetone. Slides were incubated for 1h at RT with 14D12 (see Held, K et al). For WB: On a 12% non-reducing SDS-PAGE a prominent band of ca. 50 kDa is detected. Under reducing conditions a 26 kDa band is detected (see Phaneuf, L et al).



Images

Immunohistochemistry-Frozen: Antibody (mAb 14D12) - MBL-C (clone 14D12) deposition in developing murine atherosclerotic lesions following 10 weeks of high fat feeding. MBL-C was detected in and around invading macrophages invading the intima (insert). MBL-C bound, similar to MBL-A, at sites of necrosis (upper right corner). No MBL-C binding was shown in the media or on fibrous caps covering the thickened intima.



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]

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]

Phaneuf LR, Lillie BN, Hayes MA, Turner PV. Binding of mouse mannan-binding lectins to different bacterial pathogens of mice. *Vet Immunol Immunopathol*;118(1-2):129-33. 2007-07-15 [PMID: 17493687]

Pumidonming W, Walochnik J, Dauber E, Petry F. Binding to complement factors and activation of the alternative pathway by *Acanthamoeba*. *Immunobiology*;216(1-2):225-33. 2011-01-01 [PMID: 20627448]

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NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)
NBP2-61994-20ug	Recombinant Human MBL-2 His Protein

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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