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MBL2 Blocking Peptide
Synthetic peptide
Catalog # BP9821a

Specification

MBL2 Blocking Peptide - Product Information

Primary Accession P11226

MBL2 Blocking Peptide - Additional Information

Gene ID 4153

Other Names
Mannose-binding protein C, MBP-C, Collectin-1, MBP1, Mannan-binding protein, Mannose-binding lectin, MBL2, COLEC1, MBL

Target/Specificity
The synthetic peptide sequence is selected from aa 210-221 of HUMAN MBL2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

MBL2 Blocking Peptide - Protein Information

Name MBL2

Synonyms COLEC1, MBL

Function
Calcium-dependent lectin involved in innate immune defense. Binds mannose, fucose and N-acetylglucosamine on different microorganisms and activates the lectin

MBL2 Blocking Peptide - Background

This gene encodes the soluble mannose-binding lectin or mannose-binding protein found in serum. The protein encoded belongs to the collectin family and is an important element in the innate immune system. The protein recognizes mannose and N-acetylglucosamine on many microorganisms, and is capable of activating the classical complement pathway. Deficiencies of this gene have been associated with susceptibility to autoimmune and infectious diseases.

MBL2 Blocking Peptide - References

Mosbruger, T.L., et al. J. Infect. Dis. 201(9):1371-1380(2010)
Davila, S., et al. Genes Immun. (2010) In press :
Dahl, M. Clin Respir J 3(2):121-122(2009)
Garred, P., et al. Clin. Exp. Immunol. 90(3):517-521(1992)

complement pathway. Binds to late apoptotic cells, as well as to apoptotic blebs and to necrotic cells, but not to early apoptotic cells, facilitating their uptake by macrophages. May bind DNA.

Cellular Location
Secreted.

Tissue Location
Plasma protein produced mainly in the liver.

MBL2 Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides