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MD1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2544a

Specification

MD1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O95711

MD1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9450

Other Names
Lymphocyte antigen 86, Ly-86, Protein MD-1, LY86, MD1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2544a was selected from the N-term region of human MD1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

MD1 Antibody (N-term) Blocking Peptide - Protein Information

Name LY86

Synonyms MD1

Function
May cooperate with CD180 and TLR4 to mediate the innate immune response to bacterial lipopolysaccharide (LPS) and cytokine production. Important for efficient CD180 cell surface expression (By similarity).

Cellular Location
Secreted, extracellular space. Note=Associated with CD180 at the cell surface

Tissue Location
Highly expressed in B-cells, monocytes and tonsil.

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MD1 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

MD1 Antibody (N-term) Blocking Peptide - Images

MD1 Antibody (N-term) Blocking Peptide - Background

MD1 may cooperate with CD180 and TLR4 to mediate the innate immune response to bacterial lipopolysaccharide (LPS) and cytokine production. This protein is important for efficient CD180 cell surface expression. MD1 is highly expressed in B-cells, monocytes and tonsil. In monocytes, it is down-regulated by the cell-wall fraction of Mycobacterium bovis.

MD1 Antibody (N-term) Blocking Peptide - References

Begum, N.A., et al., Biochem. Biophys. Res. Commun. 256(2):325-329 (1999).Miura, Y., et al., Blood 92(8):2815-2822 (1998).Miyake, K., et al., J. Immunol. 161(3):1348-1353 (1998).