

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

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**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 <a href=/product/products/AP2544a>AP2544a</a> 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.

### **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).