

## Anti-MD1 Antibody (4E262)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	Unconjugated
Clone:	4E262
Purification:	Protein A

## Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Mouse MD-1 / LY86 Protein (TMPY-00878)
Antigen Species:	Mouse
Synonyms:	MMD-1;lymphocyte antigen 86;MD1;MD-1;dj80N2.1

## Research Background

MD-1 and MD-2 are secretory glycoproteins that exist on the cell surface in complexes with transmembrane proteins. MD-1 is anchored by radioprotective 15 (RP15) which is a molecule containing leucine-rich repeats and is expressed on B cells, dendritic cells, and macrophages, while MD-2 is associated with TLR4. MD-1 is required for efficient RP15 cell surface expression and function. It is indicated that the RP15/MD1 complex, in conjunction with TLR4, mediates the innate immune response to LPS in B cells, and also plays a role in protecting against apoptosis, B-cell proliferation, etc. Mouse MD-1 cDNA encodes a 162 amino acid precursor protein with a putative 19 aa signal peptide and two potential N-linked glycosylation sites. It shares 4% and 66% amino acid sequence identity with chicken and human MD-1 respectively. MD-1 is mainly expressed in the spleen, and also detectable in the liver, brain, thymus, and kidney.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481