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# LY86 Protein (His tag)





#### Overview

Quantity:	100 μg
Target:	LY86
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LY86 protein is labelled with His tag.

#### **Product Details**

Purpose:	Recombinant Mouse MD1 Protein (His Tag)
Sequence:	Met 1-Ser 162
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Ser 162) of mouse LY86 (NP_034875.1) precursor was expressed with a C-terminal polyhistidine tag.
Purity:	> 92 % as determined by SDS-PAGE
Endotoxin Level:	$<$ 1.0 EU per $\mu$ g of the protein as determined by the LAL method.

#### **Target Details**

Target:	LY86
Alternative Name:	MD1 (LY86 Products)
Background:	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 105 (RP105)
	which is a molecule containing leucine-rich repeats and is expressed on B cells, dentritic cells

and macrophages, while MD-2 is associated with TLR4. MD-1 is required for efficient RP105 cell surface expression and function. It is indicated that the RP105/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 40 % and 66 % amino acid sequence identity with chicken and human MD-1 respectively. MD-1 is mainly expressed in spleen, and also detectable in liver, brain, thymus, and kidney.

Synonym: MD-1,MD1

Molecular Weight:

18 kDa

NCBI Accession:

NP\_034875

Pathways:

Toll-Like Receptors Cascades

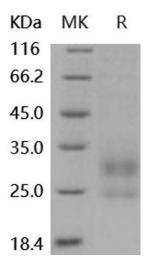
## **Application Details**

Restrictions:

For Research Use only

#### Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.



## **Western Blotting**

Image 1.