

Rabbit anti-Mouse MD1 Monoclonal Antibody | anti-LY86 antibody

Recombinant Anti-MD1 Antibody, Rabbit Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257074	Rabbit	Mouse	ELISA

PRODUCT SYNONYMS

MD1; Monoclonal Antibody; Recombinant Anti-MD1 Antibody; Rabbit Monoclonal; LY86/MD-1 Antibody; Rabbit MAb; lymphocyte antigen 86; Anti-MD-1 Antibody; Anti-MD1 Antibody; anti-LY86 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	241
Specificity	Mouse LY86/MD1
Purity/Purification	Protein A
Form/Format	0.2um filtered solution in PBS
Applicable Applications for anti-LY86 antibody	ELISA
Immunogen	Recombinant Mouse LY86 protein ()
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Mouse LY86 (rM LY86).
Preparation and Storage	This antibody can be stored at 2 degrees C to 8 degrees for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degrees to -80 degrees C. Preservative-Free. Avoid repeated freeze-thaw cycles

ADDITIONAL INFORMATION

Related Product Information for anti-LY86 antibody	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.
References	Miura Y., et al., (1998), RP105 is associated with MD-1 and transmits an activation signal in human B cells. Blood 92:2815-2822.Begum N.A., et al., (1999), Human MD-1 homologue is a BCG-regulated gene product in monocytes: Its identification by differential display.Biochem. Biophys. Res. Commun. 256:325-329.Mungall A.J., et al., (2003), The DNA sequence and analysis of human chromosome 6.Nature 425:805-811.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754588
NCBI GeneID	17084
NCBI Accession #	NP_034875.1
NCBI GenBank Nucleotide #	NM_010745.2
UniProt Accession #	O88188; Q4VAF1; Q5D046
Molecular Weight	17,811 Da
NCBI Official Full Name	lymphocyte antigen 86
NCBI Official Synonym Full Names	lymphocyte antigen 86
NCBI Official Symbol	Ly86
NCBI Official Synonym Symbols	MD1; MD-1
NCBI Protein Information	lymphocyte antigen 86; ly-86; protein MD-1
UniProt Protein Name	Lymphocyte antigen 86
UniProt Gene Name	Ly86
UniProt Synonym Gene Names	Md1; Ly-86
UniProt Entry Name	LY86_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/monoclonal/md1-antibody-clone-241-elisa/257074>