



Rabbit Anti-MD2 antibody

SL2662R

Product Name:	MD2
Chinese Name:	MD-2蛋白抗体
Alias:	ESOP 1; ESOP-1; ESOP1; LY 96; Ly-96; LY96; LY-96; LY96_HUMAN; Lymphocyte antigen 96; Lymphocyte antigen 96; MD 2; MD-2; md 2; MD 2 protein; MD2 protein; Myeloid differentiation protein 2; Protein MD 2; Protein MD-2; Protein MD2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	16kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human LY-96:81-160/160
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	MD2 cooperates with TLR4 in the innate immune response to bacterial lipopolysaccharide (LPS), and with TLR2 in the response to cell wall components from Gram-positive and Gram-negative bacteria. Enhances TLR4-dependent activation of NF-kappa-B. Cells expressing both MD2 and TLR4, but not TLR4 alone, respond to

LPS.

Function:

Cooperates with TLR4 in the innate immune response to bacterial lipopolysaccharide (LPS), and with TLR2 in the response to cell wall components from Gram-positive and Gram-negative bacteria. Enhances TLR4-dependent activation of NF-kappa-B. Cells expressing both MD2 and TLR4, but not TLR4 alone, respond to LPS.

Subunit:

Heterogeneous homopolymer formed from homodimers; disulfide-linked. Belongs to the lipopolysaccharide (LPS) receptor, a multi-protein complex containing at least CD14, LY96 and TLR4. Binds to the extracellular domains of TLR2 and TLR4. Ligand binding induces interaction with TLR4 and oligomerization of the complex.

Subcellular Location:

Secreted, extracellular space.

Post-translational modifications:

N-glycosylated; high-mannose.

SWISS:

Q9Y6Y9

Gene ID:

23643

Database links:

[Entrez Gene: 23643](#) Human

[Entrez Gene: 17087](#) Mouse

[Entrez Gene: 448830](#) Rat

[Omim: 605243](#) Human

[SwissProt: Q9Y6Y9](#) Human

[SwissProt: Q9JHF9](#) Mouse

[Unigene: 726603](#) Human

[Unigene: 116844](#) Mouse

[Unigene: 141496](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

www.sunlongbiotech.com