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MD1 Rabbit pAb

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Catalog # AP58045

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O95711
Reactivity	Rat
Predicted	Pig, Dog, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	17906
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human LY-86
Epitope Specificity	65-162/162
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted. extracellular space. Associated with CD180 at the cell surface.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	MD1 is a 28 kDa molecule that is associated at the cell surface with RP105 (CD180). RP105 is a leucine-rich repeat (LRR) molecule that is expressed on B lymphocytes. It was first identified by a mAb that protects spleen B cells from irradiation-induced apoptosis. LRR proteins, such as Toll receptors, have a role in innate immunity. MD1 is primarily expressed by B cells, dendritic cells and monocytes, and promotes the recognition of, and subsequent signaling by LPS in the innate immune system. MD1 does not have any homology to other molecules. MD1 when expressed alone behaves as a secretory protein. Expression of MD1 in a cell increases the expression of RP105.

Additional Information

Gene ID	9450
Other Names	Lymphocyte antigen 86, Ly-86, Protein MD-1, LY86, MD1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

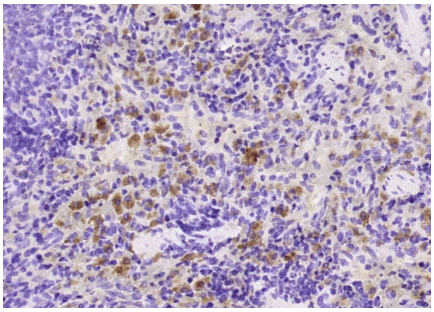
Protein Information

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.

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (rat spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (MD1) Polyclonal Antibody, Unconjugated (AP58045) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.