



MD-1 (Major Affective Disorder 1, BPAD, Lymphocyte Antigen 86 Precursor, LY86, MD-1 Protein, MD-1 RP105 associated)

Catalog number

M2767-02B

Supplier

United States Biological

Mammalian MD-1 is a homolog of Chicken MD-1, which was previously isolated as a v-myb-regulated gene, since its transcription increases rapidly after v-myb induction. MD-1 is associated at the cell surface with RP105. 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 (2). LRR proteins, such as Toll receptors, have a role in innate immunity. MD-1 does not have any homology to other molecules. MD-1 when expressed alone behaves as a secretory protein. Expression of MD-1 in a cell increases the expression of RP105.

Applications

Suitable for use in Western Blot and Immunohistochemistry. Other applications not tested.

Recommended Dilution

Western Blot: 2ug/ml, in Ramos, a 25kD band is observed
Immunohistochemistry: Paraffin
Optimal dilutions to be determined by the researcher.

Positive Control

Ramos

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Immunogen

KLH-conjugated synthetic peptide corresponding to aa112-125 of human MD-1.

Formulation

Supplied as a liquid in PBS, 0.05% sodium azide.

Purity

Purified by Protein G affinity chromatography.

Specificity

Recognizes human MD-1. Species Crossreactivity: mouse

Product Type



Pab

Source

human

Isotype

IgG

Grade

Affinity Purified

Applications

IHC WB

Crossreactivity

Hu Mo

Storage

-20°C