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Anti-Human MD-2 Purified

Catalog Number: 14-9928
Also Known As:MD2; Toll-like Receptor
RUO: For Research Use Only

Product Information

Contents: Anti-Human MD-2 Purified
REF Catalog Number: 14-9928
Clone: 9B4
Concentration: 0.5 mg/ml
Host/Isotype: Mouse IgG1

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The 9B4 antibody reacts with human MD-2, an approximately 30 kDa molecule, which physically associates with the extracellular domain of TLR4. MD-2 is essential for correct intracellular distribution and LPS-recognition of TLR4 since in MD-2(-/-) embryonic fibroblasts, TLR4 was not able to reach the plasma membrane and predominantly resided in the Golgi apparatus, whereas TLR4 was distributed at the leading edge surface of cells in wild-type embryonic fibroblasts. MD-2(-/-) mice do not respond to LPS, do survive endotoxic shock but are susceptible to Salmonella typhimurium infection.

Applications Reported

The 9B4 antibody has been reported for use in immunoprecipitation.

Applications Tested

This 9B4 antibody has been tested by immunoprecipitation of recombinant MD-2 from cell supernatant. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Thompson PA, Tobias PS, Viriyakosol S, Kirkland TN, Kitchens RL. 2003. Lipopolysaccharide (LPS)-binding protein inhibits responses to cell-bound LPS. J Biol Chem. 278(31):28367-71.
Viriyakosol S, Tobias PS, Kitchens RL, Kirkland TN. 2001. MD-2 binds to bacterial lipopolysaccharide. J Biol Chem. 276(41):38044-51.

Related Products

14-4714 Mouse IgG1 K Isotype Control Purified
14-8185 B18R Recombinant Protein
34-8185 B18R Recombinant Protein Carrier-Free

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