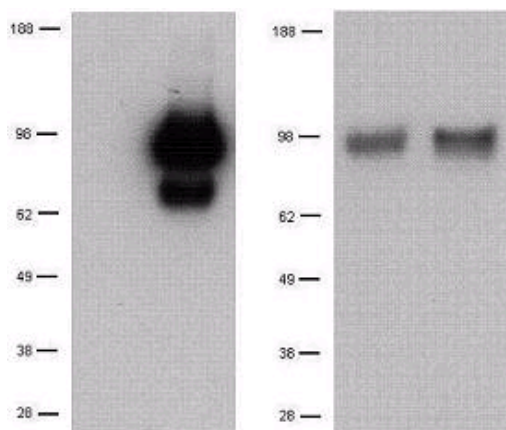


Anti-Mouse CD281 (TLR1) Purified

Catalog Number: 14-9012

Also Known As: TLR-1

RUO: For Research Use Only



Left: Untransfected control (left) and mouse TLR1-transfected (right) Baf/3 cell lysates were loaded at 1×10^5 cells/lane, probed with 3 $\mu\text{g}/\text{mL}$ Anti-Mouse CD281 (TLR1) Purified and revealed with HRP anti-rat IgG.

Right: Peritoneal-exudate (left) and RAW264.7 (right) cell lysates were loaded at 1×10^5 cells/lane, probed with 3 $\mu\text{g}/\text{mL}$ Anti-Mouse CD281 (TLR1) Purified and revealed with HRP anti-rat IgG.

Product Information

Contents: Anti-Mouse CD281 (TLR1) Purified

REF Catalog Number: 14-9012

Clone: eBioLD5

Concentration: 0.5 mg/ml

Host/Isotype: Rat IgG2a

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The eBioLD5 monoclonal antibody reacts with mouse Toll-like receptor 1 (TLR1, CD281). TLR1 is an approximately 98 kDa protein belonging to the Toll-like receptor family, and is closely-related to mouse TLR6 in both structure and function. Through the formation of a complex with TLR2, TLR1 is able to bind bacterially-derived triacyl lipopeptides, as well as soluble factors released from *Neisseria meningitidis*. TLR1 is expressed by macrophages and macrophages in TLR1-deficient mice display impaired production of inflammatory cytokines upon stimulation with triacyl lipopeptides and lipoproteins from mycobacteria.

Applications Reported

This eBioLD5 antibody has been reported for use in immunoblotting (WB).

Applications Tested

This eBioLD5 antibody has been tested by immunoblotting of mouse TLR1-transfected, peritoneal-exudate, and RAW264.7 cells. This can be used at 1-3 $\mu\text{g}/\text{ml}$ for western blotting analysis. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Alexopoulou L, Thomas V, Schnare M, Lobet Y, Anguita J, Schoen RT, Medzhitov R, Fikrig E, Flavell RA. Hyporesponsiveness to vaccination with *Borrelia burgdorferi* OspA in humans and in TLR1- and TLR2-deficient mice. *Nat Med*. 2002 Aug;8(8):878-84.

Wyllie DH, Kiss-Toth E, Visintin A, Smith SC, Boussof S, Segal DM, Duff GW, Dower SK. Evidence for an accessory protein function for Toll-like receptor 1 in anti-bacterial responses. *J Immunol*. 2000 Dec 15;165(12):7125-32.

Takeuchi O, Sato S, Horiuchi T, Hoshino K, Takeda K, Dong Z, Modlin RL, Akira S. Cutting edge: role of Toll-like receptor 1 in mediating immune response to microbial lipoproteins. *J Immunol*. 2002 Jul 1;169(1):10-4.

Related Products

13-9011 Anti-Mouse CD281 (TLR1) Biotin (eBioTR23 (TR23))

14-4321 Rat IgG2a K Isotype Control Purified

14-8185 B18R Recombinant Protein
14-9011 Anti-Mouse CD281 (TLR1) Purified (eBioTR23 (TR23))
34-8185 B18R Recombinant Protein Carrier-Free
51-9011 Anti-Mouse CD281 (TLR1) Alexa Fluor® 647 (eBioTR23 (TR23))

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