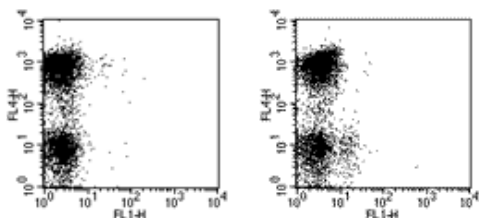


Anti-Mouse CD282 (TLR2) FITC

Catalog Number: 11-9021

Also Known As: TLR-2, toll-like receptor 2

RUO: For Research Use Only



BALB/c splenocytes were pre-incubated with Anti-Mouse CD16/CD32 Purified (cat. 14-0161) and then stained with Anti-Human/Mouse CD45R (B220) APC (cat. 17-0452) and 0.5 µg of Rat IgG2b κ Isotype Control FITC (cat. 11-4032) (left) or 0.5 µg of Anti-Mouse CD282 (TLR2) FITC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD282 (TLR2) FITC


REF Catalog Number: 11-9021

Clone: 6C2


Concentration: 0.5 mg/ml


Host/Isotype: Rat IgG2b, κ

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

 Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The 6C2 monoclonal antibody reacts with mouse Toll-like receptor 2 (TLR2). Mouse TLR2 is expressed by the myeloid lineage, including macrophage and dendritic cells in splenocytes and the RAW264.7 cell line. To date, at least twelve members of the Toll family have been identified in human and mouse. This family of type I transmembrane proteins is characterized by an extracellular domain with leucine-rich repeats and a cytoplasmic domain with homology to the type I IL-1 receptor. Two of these receptors, TLR2 and TLR4, are pattern recognition receptors and signaling molecules in response to bacterial lipoproteins and have been implicated in innate immunity and inflammation. TLR2 is expressed on the surface of cells and is responsible for distinguishing different pathogens.

Applications Reported

6C2 has been reported for use in flow cytometric analysis. For optimal flow cytometry staining with this antibody, it is recommended that a directly conjugated 6C2 (FITC, PE, or Biotin) be used in combination with FcR blocking with anti-mouse CD16/CD32 (clone 93, cat.14-0161).

Applications Tested

The 6C2 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Related Products

11-4031 Rat IgG2b K Isotype Control FITC

14-0161 Anti-Mouse CD16/CD32 Purified (93)

14-8185 B18R Recombinant Protein

34-8185 B18R Recombinant Protein Carrier-Free

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