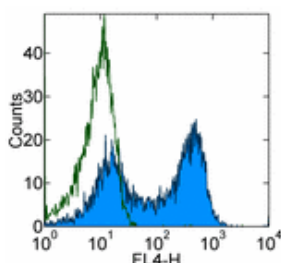


Anti-Mouse CD154 (CD40 Ligand) APC

Catalog Number: 17-1541

Also Known As: CD40L

RUO: For Research Use Only



T cells purified from mouse splenocytes were stimulated for 6 hours with PMA/Ionomycin then stained with 0.125 µg of Armenian Hamster IgG Isotype Control APC (cat. 17-4888) (open histogram) or 0.125 µg of Anti-Mouse CD154 (CD40 Ligand) APC (filled histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD154 (CD40 Ligand) APC


REF Catalog Number: 17-1541

Clone: MR1

Concentration: 0.2 mg/ml


Host/Isotype: Armenian Hamster IgG

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 MR1 monoclonal antibody reacts with mouse CD154, a 39 kDa transmembrane glycoprotein also known as gp39 and CD40 ligand (CD40L). gp39 is expressed transiently by activated T cells and through its binding to CD40 on antigen presenting cells including B cells, monocytes/macrophages and dendritic cells, serves a crucial function in T-APC cognate interaction. gp39 interaction with CD40 transduces signals for T-dependent B cell activation and induces B cell cycle entry.

For staining for flow cytometric analysis, it is important to stimulate enriched T cells or enriched CD4 cells (using depletion strategy) prior to staining with MR1.

Applications Reported

This MR1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This MR1 antibody has been tested by flow cytometric analysis of resting and 6-8 hour activated splenocyte suspensions. This can be used at less than or equal to 0.25 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

17-1548 Anti-Human CD154 (CD40 Ligand) APC (24-31)

17-4888 Armenian Hamster IgG Isotype Control APC (eBio299Arm)

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