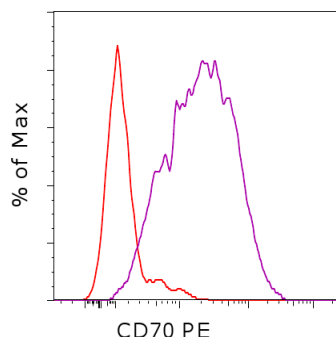


Anti-Mouse CD70 PE

Catalog Number: 12-0701

Also known as: TNFSF7, Ki-24, CD27 ligand

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of LPS and Anti-Mouse CD40 Functional Grade Purified (cat. 16-0401) stimulated mouse splenocytes (purple histogram) or unstimulated (red histogram) with 0.25 ug of Anti-Mouse CD70 PE. Total viable cells were used for analysis.

Product Information



Contents: Anti-Mouse CD70 PE

Catalog Number: 12-0701

Clone: FR70

Concentration: 0.2 mg/mL

Host/Isotype: Rat IgG2b, kappa



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.



Batch Code: Refer to vial



Use By: Refer to vial



Caution, contains Azide

Description

The FR70 monoclonal antibody reacts with mouse CD70, a 30-33 kDa type II transmembrane glycoprotein. CD70 is a member of the TNF family and is expressed by activated mouse T and B lymphocytes. Interaction of CD70 with CD27, its ligand on T cells, is important in T-B cell crosstalk and plays a role in costimulation and immune regulation.

Applications Reported

This FR70 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This FR70 antibody has been tested by flow cytometric analysis of mouse LPS-activated 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

Oshima, H., H. Nakano, et al. (1998). Characterization of murine CD70 by molecular cloning and mAb Int Immunol 10(4): 517-26.

Akiba, H., H. Oshima, et al. (1999). CD28-independent costimulation of T cells by OX40 ligand and CD70 on activated B cells. J Immunol 162(12): 7058-66.

Related Products

12-4031 Rat IgG2b K Isotype Control PE

16-0401 Anti-Mouse CD40 Functional Grade Purified (1C10)

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