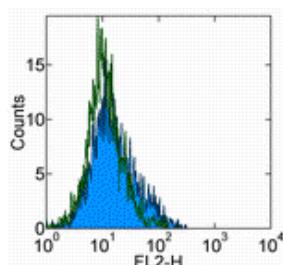


Anti-Mouse CD70 Functional Grade Purified

Catalog Number: 16-0701

Also Known As: TNFSF7, Ki-24, CD27 ligand

RUO: For Research Use Only



Staining of 4-day LPS activated BALB/c splenocytes with 0.25 ug of Rat IgG2b kappa Isotype Control Functional Grade Purified (cat. 16-4031) (open histogram) or 0.25 ug of Anti-Mouse CD70 Functional Grade Purified (filled histogram) followed by Anti-Rat IgG Biotin (cat. 13-4813) and Streptavidin PE (cat. 12-4317). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD70 Functional Grade Purified

REF **Catalog Number:** 16-0701

Clone: FR70

Concentration: 1 mg/mL

Host/Isotype: Rat IgG2b, kappa


Handling Conditions: Use in sterile environment.

Endotoxin Level: Less than 0.001 ng/ug antibody, as determined by the LAL assay.

Formulation: aqueous buffer, no sodium azide

 **Temperature Limitation:** Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

 **Use By:** Refer to Vial

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

The FR70 antibody has been reported for use in flow cytometric analysis. FR70 has also been reported in blocking of CD70 *in vitro*.

Applications Tested

The 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 0.5 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

11-4317 Streptavidin FITC

11-4811 Anti-Rat IgG FITC

12-4317 Streptavidin PE

13-4813 Anti-Rat IgG Biotin (Polyclonal)

16-4031 Rat IgG2b K Isotype Control Functional Grade Purified

17-4317 Streptavidin APC

