

TECHNICAL DATA SHEET

PerCP-Cyanine5.5 Anti-Mouse CD70 (FR70)

Catalog Number: 65-0701

PRODUCT INFORMATION

Contents: PerCP-Cyanine5.5 Anti-Mouse CD70 (FR70)

Isotype: Rat IgG2b

Concentration: 0.2 mg/mL

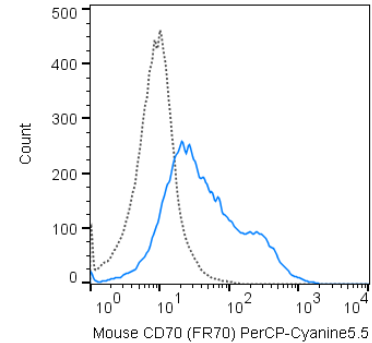
Clone: FR70

Reactivity: Mouse

Use By: 6 months from date of receipt

Storage Conditions: 2-8°C protected from light

Formulation: 10 mM NaH₂PO₄, 150 mM NaCl, 0.09% NaN₃, 0.1% gelatin, pH7.2



C57Bl/6 splenocytes were stimulated with LPS and Anti-Mouse CD40 for 2 days and then stained with 0.5 ug PerCP-Cyanine5.5 Anti-Mouse CD70 (65-0701) (solid line) or 0.5 ug PerCP-Cyanine5.5 Rat IgG2b isotype control (dashed line).

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 the ligand for CD27. CD70 is expressed on activated mouse T and B lymphocytes as well as activated dendritic cells. The interaction of CD70 with CD27 delivers important costimulatory signals to T cells and NK cells.

PREPARATION & STORAGE

This monoclonal antibody was purified from tissue culture supernatant via affinity chromatography. The purified antibody was conjugated under optimal conditions, with unreacted dye removed from the preparation. It is recommended to store the product undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.

APPLICATION NOTES

This antibody preparation has been quality-tested for flow cytometry using mouse spleen cells, or an appropriate cell type (where indicated). Please refer to the figure legend for the optimal concentration used to stain the tissue shown. We recommend titrating the antibody under your specific conditions to determine the optimal concentration of antibody needed in your experimental system.

REFERENCES

Tesselaar K, Gravestien LA, van Schijndel GM, Borst J, van Lier RA. 1997. *J Immunol.* 159(10):4959-4965. Hartwig UF, Karlsson L, Peterson PA, Webb SR. 1997. *J Immunol.* 159(12):6000-6008. Oshima H, Nakano H, Nohara C. 1998. *Int Immunol.* 10(4):517-526. Takeda K, Oshima H, Hayakawa Y, et al. 2000. *J Immunol.* 164(4):1741-1745.

Tonbo Biosciences tests all antibodies by flow cytometry. Citations are provided as a resource for additional applications that have not been validated by Tonbo Biosciences. Please choose the appropriate format for each application and consult Materials and Methods sections for additional details about the use of any product in these publications.

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