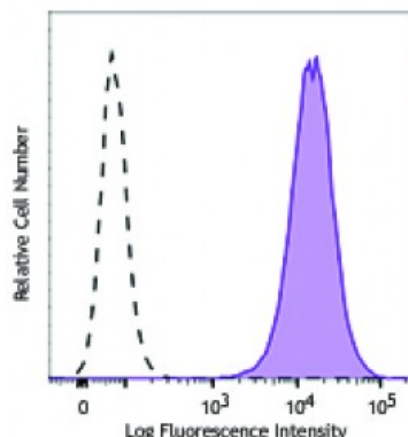


Biotin anti-human CD70

Catalog # / Size: 2375570 / 100 µg
Clone: 113-16
Isotype: Mouse IgG1
Immunogen: CD70-transfected L cells
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration: Lot-specific



Human myeloma cell line, U266, was stained with biotinylated CD70 (Clone 113-16) (filled histogram) or biotinylated mouse IgG1, κ isotype control (open histogram), followed by Streptavidin PE.

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is ≤0.25 microg per million cells in 100 microL volume. It is recommended that the reagent be titrated for optimal performance for each application.

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Application Notes: Additional reported applications for the relevant formats include: blocking of plasmacytoid dendritic cell induced B cell proliferation and Ig secretion¹.

Application References: 1. Shaw J, *et al.* 2010. *Blood* 115:3051. (Block)

Description: CD70, also known as CD27L, is a 50 kD type II transmembrane glycoprotein and member of the tumor necrosis factor superfamily. CD70 is expressed on activated T, B and NK cells, activated plasmacytoid dendritic cells (pDCs), and chronic B cell lymphocytic leukemia and large B cell lymphomas. CD70 costimulates T cell proliferation and differentiation. It plays a role in the pDC-induced B cell differentiation. The ligand of CD70 is CD27.

Antigen References: 1. Bowman MR, *et al.* 1994. *J. Immunol.* 152:1756.
 2. Shaw J, *et al.* 2010. *Blood* 115:3051.
 3. Keller AM, *et al.* 2009. *Blood* 113:5167.

