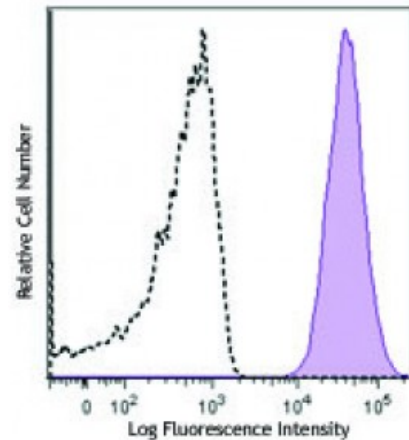


APC anti-human CD70

Catalog # / Size:	2375550 / 100 tests 2375545 / 25 tests
Clone:	113-16
Isotype:	Mouse IgG1
Immunogen:	CD70-transfected L cells
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions. The solution is free of unconjugated APC and unconjugated antibody.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).
Concentration:	Lot-specific



Human myeloma cell line, U266, was stained with CD70 (clone 113-16) APC (filled histogram) or mouse IgG1, κ APC isotype control (open histogram).

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 5 microL per million cells or 5 microL per 100 microL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	Additional reported applications for the relevant formats include: blocking of plasmacytoid dendritic cell induced B cell proliferation and Ig secretion ¹ .
Application References:	1. Shaw J, <i>et al.</i> 2010. <i>Blood</i> 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.