

Product datasheet for **TA386224**

Cd70 Rabbit Monoclonal Antibody [Clone ID: TAN1-6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	TAN1-6
Applications:	BI, FC, IF, WB
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was raised by immunising LOU rats with soluble recombinant CD70:Fc fusion protein

Specificity: This antibody is specific for murine 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.

This antibody has been used in various FACS analyses to reveal a critical role for CD70 in CD8 T cell priming by CD40-licensed antigen-presenting cells (Taraban et al, 2004), to demonstrate the differential requirement for CD70 and CD80/CD86 in dendritic cell-mediated activation of tumor-tolerized CD8 T cells (Bak et al, 2012), to examine how temporal changes in dendritic cell subsets, cross-priming and costimulation via CD70 control CD8(+) T cell responses to influenza (Ballesteros-Tato et al, 2010), and to show that CD70 is downregulated by interaction with CD27 (Kuka et al, 2013). In addition, this antibody has been used in vivo to block the CD70-CD27 interaction as part of the two studies examining how CD70 is critically required for the priming of CD8+ T cells (Taraban et al, 2004; Taraban et al, 2006).

Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.



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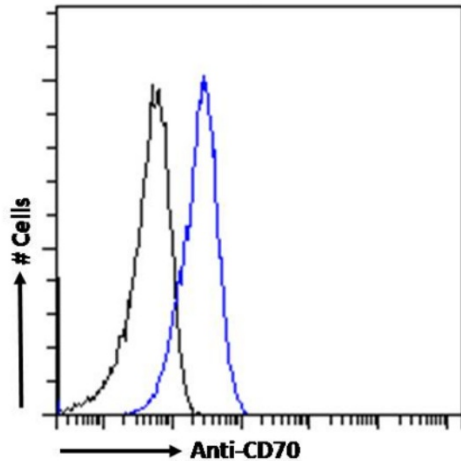
Gene Name: CD70 antigen

Database Link: [Entrez Gene 21948 Mouse O55237](#)

Synonyms: CD27-L; CD27L; CD27LG; TNFSF7

Note: This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

Product images:



Flow cytometry using the Anti-CD70 antibody TAN1-6 (TA386224). Paraformaldehyde fixed mouse splenocytes permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody ([TA385792]; isotype control, black line) or the rabbit IgG version of TAN1-6 (TA386224, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.