

## Product datasheet for **TA386225**

### Cd70 Rat Monoclonal Antibody [Clone ID: TAN1-6]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	TAN1-6
Applications:	BI, FC, IF, WB
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a, 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.



[View online »](#)

Gene Name: CD70 antigen

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

Synonyms: CD27-L; CD27L; CD27LG; TNFSF7