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# Datasheet for ABIN2749184 anti-CD70 antibody

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### Overview

Quantity:	0.1 mg
Target:	CD70
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD70 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

### Product Details

Immunogen:	human L428 cell line
Clone:	Ki-24
Isotype:	IgG3 kappa
Specificity:	The mouse monoclonal antibody Ki-24 recognizes an extracellular epitope of CD70, an approximately 50 kDa type II transmembrane glycoprotein expressed on activated lymphocytes and some B cell leukemias.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

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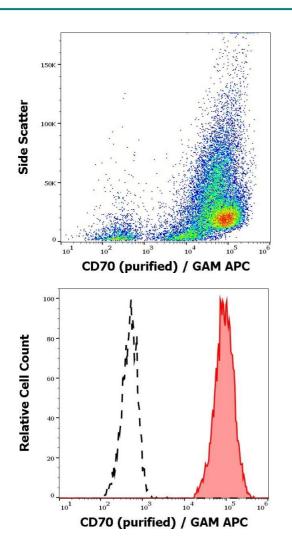
## Target Details

Target:	CD70
Alternative Name:	CD70 (CD70 Products)
Background:	CD70 Molecule,CD70, also known as TNFSF7 or CD27L, is a 50 kDa type II transmembrane
	glycoprotein of the TNF superfamily. It is expressed mainly on activated lymphocytes, including
	NK cells, and forms trimeric structure. CD70 plays a role in T-cell activation, proliferation and
	differentiation, in enhancing the generation of cytolytic T cells, and in long-term maintenance of
	T cell memory. It is also involved in B cell differentiation induced by activated plasmacytoid
	dendritic cells, which also express CD70.,CD27L, TNFSF7, CD27 ligand, TNLG8A
Gene ID:	970
UniProt:	P32970
Pathways:	Cancer Immune Checkpoints
Application Details	
Application Notes:	Flow cytometry: Recommended dilution: 1-5 µg/mL.
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.
Publications	
Product cited in:	Trebing, El-Mesery, Schäfer, Weisenberger, Siegmund, Silence, Wajant: "CD70-restricted specific
	activation of TRAILR1 or TRAILR2 using scFv-targeted TRAIL mutants." in: Cell death & disease
	, Vol. 5, pp. e1035, (2014) (PubMed).
	Kaufmann, Amariglio, Rosenthal, Hirsch, Many, Rechavi: "Proliferation response of leukemic
	ibodies-online.com   www.antikoerper-online.de   www.anticorps-enligne.fr   www.antibodies-online.cn

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Israel, Pickles, Segal, Gerard, Kenney: "Enhancement of adenovirus vector entry into CD70positive B-cell Lines by using a bispecific CD70-adenovirus fiber antibody." in: **Journal of virology**, Vol. 75, Issue 11, pp. 5215-21, (2001) (PubMed).

Images



#### **Flow Cytometry**

**Image 1.** Flow cytometry surface staining pattern of HUT-78 cells stained using anti-human CD70 (Ki-24) purified antibody (concentration in sample 1  $\mu$ g/mL) GAM APC.

#### **Flow Cytometry**

**Image 2.** Separation of HUT-78 cells (red-filled) from SP2 cells (black-dashed) in flow cytometry analysis (surface staining) of cell lines stained using anti-human CD70 (Ki-24) purified antibody (concentration in sample 1  $\mu$ g/mL) GAM APC.

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