



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Conveniently Delivering You Today's Innovations  
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**Anti-Mouse CD70  
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
<b>CL8870AP</b>	Purified	250 µg	1.0 mg/ml	CLCR2A00
<b>CL8870B</b>	Biotin	100 µg	0.1 mg/ml	CLCR2A15
<b>CL8870F</b>	FITC	100 µg	0.1 mg/ml	CLCR2A01
<b>CL8870PE</b>	PE	50 µg	0.1 mg/ml	CLCR2A04

Isotype: Rat IgG2a

**DESCRIPTION:**

CD70 is a cytokine that belongs to the tumour necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T and B lymphocytes. It induces proliferation of co-stimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis.

**PRESENTATION:**

**Purified:** Purified IgG buffered in PBS and 0.02% NaN<sub>3</sub>. (Purified via Protein G Chromatography). For maximum recovery of contents, spin down tube before use.

**Biotin, FITC, and PE:** Biotin/FITC/PE conjugated IgG buffered in PBS, 0.02% NaN<sub>3</sub> and EIA grade BSA as a stabilizing protein to bring total protein concentration to 4-5 mg/ml.

**STORAGE/STABILITY:**

For all formats, store at + 4°C. DO NOT FREEZE **PE** conjugates. For long term storage (**Purified/Biotin/FITC**), aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles. For Maximal recovery of contents, please quick-spin vial before opening.

**APPLICATION:**

This antibody is suitable for use in ELISA, Flow Cytometry and Immunofluorescence. Additionally, this antibody is a non-depleting mAb that has been shown to block CD70-CD27 interactions *in vivo*.

**\* For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.**

*Continued Overleaf.....*

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**SPECIFICATIONS:**

Clone: TAN 1-7

**Hybridoma Production:**

Immunization: Immunogen: Recombinant mouse CD70 (extracellular domain, aa residues 41-195).  
Donor: Rat spleen

Fusion Partner: NS0

Specificity: Mouse CD70

**REFERENCES:**

1. Rowley TF, Al-Shamkhani A. (2004) Stimulation by soluble CD70 promotes strong primary and secondary CD8+ cytotoxic T cell responses in vivo. J Immunol. 172(10):6039-46.
2. Taraban VY, et al. (2008) Invariant NKT cells promote CD8+ cytotoxic T cell responses by inducing CD70 expression on dendritic cells. J Immunol. 180(7):4615-20.
3. Arora P, et al. (2014) A single subset of dendritic cells controls the cytokine bias of natural killer T cell responses to diverse glycolipid antigens. Immunity. 40(1):105-16.

**FOR RESEARCH USE ONLY**

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