



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Technically  
Speaking

**CEDARLANE**<sup>®</sup>  
[www.cedarlanelabs.com](http://www.cedarlanelabs.com)



Conveniently Delivering You Today's Innovations  
for the Science of Tomorrow™

**Anti-Mouse CD70  
Monoclonal Antibody**

Catalogue#	Format	Size	Concentration	Isotype Control
CL8870AP	Purified	250 µg	1.0 mg/ml	CLCR2A00
CL8870B	Biotin	100 µg	0.1 mg/ml	CLCR2A15
CL8870F	FITC	100 µg	0.1 mg/ml	CLCR2A01
CL8870PE	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.....

Visit our website for your local distributor.

**CEDARLANE**<sup>®</sup>



[www.cedarlanelabs.com](http://www.cedarlanelabs.com)

An ISO 9001:2000 and ISO 13485:2003  
registered company.

In CANADA: Toll Free: 1-800-268-5058

4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020  
e-mail: [general@cedarlanelabs.com](mailto:general@cedarlanelabs.com)

In the USA: Toll Free: 1-800-721-1644

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138  
e-mail: [service@cedarlanelabs.com](mailto:service@cedarlanelabs.com)

**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**

JK 12/18/2018