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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

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

www.szabo-scandic.com

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

Anti-CD70 [LD70] Bulk Size Ab03947-3.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted mouse IgG2b Fc Silent™ antibody, based on the original mouse scFv format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2b, [Fc Silent™](#), Kappa

Clone Number: LD70

Alternative Name(s) of Target: TNFSF7; CD27L; CD27-L; CD27LG; CD27 ligand; CD70 antigen; Tumor necrosis factor ligand superfamily member 7

UniProt Accession Number of Target Protein: P32970

Published Application(s): Block, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was isolated from a human scFv phage display library by panning against recombinant human CD70-Fc fusion protein.

Specificity: This antibody binds human CD70, a cytokine belonging to the tumor necrosis factor (TNF) ligand family, which acts as a ligand for TNFRSF27/CD27. It is a surface antigen present on activated T and B cells. The CD70-CD27 pathway plays an important role in the generation and maintenance of T cell immunity, in particular during antiviral responses. Upon CD27 binding, induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis. CD70 is also identified as an emerging target in cancer immunotherapy.

Application Notes: This antibody block the binding of CD70 to CD21. This blocking effect was tested using the scFv version and it was reported that it was capable of blocking the binding of recombinant CD70-Fc to CD21 coated on ELISA plates. This antibody was also reported to have inhibitory effect on the growth of breast cancer cells in vitro. The in vivo inhibitory activity of this antibody was tested in mice infected with breast cancer cells MDA-MB-231. It was further reported that this antibody could inhibit tumor growth in vivo (CN109021106).

Antibody First Published in: [PMID:](#)

Note on publication:

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.