



# 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) 



## Armenian Hamster anti CD27

Catalogue number: **MUB0366P**

Clone	LG.8A6
Isotype	IgG
Product Type	Primary Antibodies
Units	0.1 mg
Host	Armenian Hamster
Species reactivity	Mouse
Application	ELISA Flow cytometry Immunoprecipitation

## Distributors

For Purchasing Information, please contact your local distributor

[Find Distributor](#)

### Background

CD27 (Cluster of Differentiation 247) is a tumor necrosis factor receptor. A tumor necrosis factor receptor (TNFR), or death receptor, is a trimeric cytokine receptor that binds tumor necrosis factors (TNF). The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for geneRation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. The immune system has several effector mechanisms at its disposal to free the host of pathogens. Because these effector mechanisms can also damage the host, immune responses should be tightly controlled. TNFR family members and their respective TNF related ligands have been impliCated in the regulation of survival, prolifeRation, differentiation, and migRation during adaptive immune responses. CD27 is a lymphoid cell-specific member of the TNFR family. Human and murine T, B, and NK cells can express CD27 In Humans, CD27 expression distinguishes between naive and effector/memory stages of peripheral B and T lymphocytes. On B cells, CD27 is only found after B cell receptor-induced activation. CD27-expressing B cells found in Human peripheral blood all have undergone somatic hypermutation and therefore CD27 is considered a marker for memory B cells in Humans. Resting T cells constitutively express CD27, while differentiation into effector T cells is accompanied by loss of CD27 expression.

### Source

mAbs to murine CD27 were geneRated injecting a mixture of the mCD27tag expressing clones AR0524 and AR0530; Hamster spleen cells and SP2/0 murine myeloma cells were fused.

**Product**

Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

**Applications**

LG.8A6 is useful for flow cytometry and, immunoprecipitation. Optimal antibody dilution should be determined by titration. In combination with LG.3A10, it is possible to develop a double determinant ELISA to detect soluble Mouse CD27.

**Specificity**

LG.3A10 and LG.8A6 see a different epitope. A combination can therefore be developed into a double determinant ELISA to detect soluble Mouse CD27. LG.3A10 cross-react with Human CD27, LG.8A6 does not.

**Storage**

Store at 4°C, or in small aliquots at -20°C.

**References**

1. Gravestien, L.A., Nieland, J.D., Kruisbeek, A.M. and Borst, J. Int. Immunol. 7: 551-557, 1995.
2. Gravestien, L., van Ewijk, W., Ossendorp, F. and Borst, J. J. Exp. Med. 184: 675-685, 1996.
3. Hendriks, J., Gravestien, L.A., Tesselaar, K., van Lier, R.A.W., Schumacher, T.N.M., and Borst, J. Nature Immunol. 1: 433-440, 2000.

**Caution**

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strong acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.