



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Armenian Hamster anti CD27

Catalogue number: **MUB0365P**

Clone	LG.3A10
Isotype	IgG
Product Type	Primary Antibodies
Units	0.1 mg
Host	Armenian Hamster
Species reactivity	Human Mouse
Application	ELISA Flow cytometry Immunohistochemistry (frozen) Immunohistochemistry (paraffin) Immunoprecipitation

## Distributors

For Purchasing Information, please contact your local distributor

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### Background

Members of the tumor necrosis factor receptor (TNFR) family are emerging as important molecules implicated in the regulation of proliferation, differentiation and survival of T and B lymphocytes. Among these receptors is CD27, the function of which has thus far only been studied in the Human system, where it amplifies the T cell proliferative response induced by TCR triggering. 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. This receptor transduces signals that lead to the activation of NF- $\kappa$ B and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a pro-apoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor.

### 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  $\mu$ l 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

### Applications

LG.3A10 is useful for flow cytometry, immunoprecipitation and immunohistochemistry on frozen and paraffin embedded sections . Optimal antibody dilution should be determined by titration. Recommended dilution for immunohistochemistry: 1:100. In combination with LG.8A6, 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. Gravestein, L.A., Nieland, J.D., Kruisbeek, A.M. and Borst, J. Int. Immunol. 7: 551-557, 1995.
2. Gravestein, L., van Ewijk, W., Ossendorp, F. and Borst, J. J. Exp. Med. 184: 675-685, 1996.
3. Hendriks, J., Gravestein, 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.