



# 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) 

## Anti-CD277 [108.5] Standard Size Ab03874-10.0

**Isotype and Format:** Human IgG1, Kappa

**Clone Number:** 108.5

**Alternative Name(s) of Target:** BTN3A1; BTF5; BT3; BT3.1; Butyrophilin subfamily 3 member A1

**UniProt Accession Number of Target Protein:** O00481

**Published Application(s):** antagonist, functional assay

**Published Species Reactivity:** Human

**Immunogen:** The original antibody was generated by immunizing BALB/c mice with soluble BT3.1-Ig fusion protein.

**Specificity:** This antibody binds human CD277 (BTNA3A1). This protein plays an important role in T-cell activation and in the adaptive immune response. It regulates proliferation of activated T-cells and release of IFNG by activated T-cells. It is expressed on surface of T-cells, natural killer cells, dendritic cells and macrophages (at protein level). It is highly expressed in heart, pancreas and lung and moderately expressed in placenta, liver and muscle.

**Application Notes:** This antibody was used as an antagonist antibody to check if BTN3A can specifically enhance Vg9Vd2 TCR-mediated lysis of primary AML blasts using cytotoxic assays. This antibody was reported to significantly and drastically abrogate zoledronate (ZOL)-induced lysis (PMID: 27853633). This antibody can completely abrogate Vγ9Vδ2 T cell mediated lysis of tumors (PMID: 29296524).

**Antibody First Published in:** Compte et al. Frontline: Characterization of BT3 molecules belonging to the B7 family expressed on immune cells. Eur J Immunol. 2004 Aug;34(8):2089-99. [PMID:15259006](#)

**Note on publication:** This paper describes the characterization of BTN3A1 molecule expressed on immune cells using antibodies.

### Product Form

**Size:** 100 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.