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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

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Anti-CD277 [108.5] Standard Size Ab03874-10.3

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 human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, 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.