

BTN3A1/CD277 Protein, Human (Biotinylated, HEK293, His-Avi)

Cat. No.:	HY-P78080
Synonyms:	CD277; BTN3A1; BTF5; BT3.1; BTN3.1
Species:	Human
Source:	HEK293
Accession:	O00481 (Q30-G254)
Gene ID:	11119
Molecular Weight:	30-35 kDa

PROPERTIES

Biological Activity	Immobilized Anti-BTN3A1 Antibody, hFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human BTN3A1, His Tag with the EC ₅₀ of 15.4ng/ml determined by ELISA.
Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	The BTN3A1/CD277 protein is involved in crucial functions related to T-cell activation and the adaptive immune response. It acts as a regulator of activated T-cell proliferation and controls the release of cytokines and IFNG by these cells. Additionally, it plays a role in mediating the response of T-cells towards infected and transformed cells that exhibit elevated levels of phosphorylated metabolites, such as isopentenyl pyrophosphate. The BTN3A1/CD277 protein functions as a homodimer.
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Caution: Product has not been fully validated for medical applications. For research use only.

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