Biotinylated Human BTN3A1/CD277 Protein (Primary Amine Labeling)

Cat. No. BTN-HM1A1B

Description

Source	Recombinant Biotinylated Human BTN3A1/CD277 Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the C-Terminus.
	It contains Gln30-Gly254.
Accession	O00481-1
Molecular Weight	The protein has a predicted MW of 25.3 kDa. Due to glycosylation, the protein migrates to 28-32 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

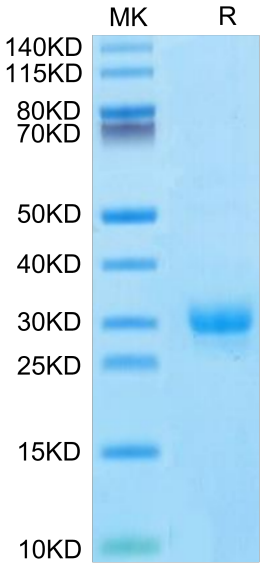
Formulation	Supplied as 0.22μm filtered solution in PBS, 200mM Arginine (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The three butyrophilin BTN3A molecules, BTN3A1, BTN3A2, and BTN3A3, are members of the B7/butyrophilin-like group of Ig superfamily receptors, which modulate the function of T cells. BTN3A1 controls activation of human Vγ9/Vδ2 T cells by direct or indirect presentation of self and nonself phosphoantigens (pAg).

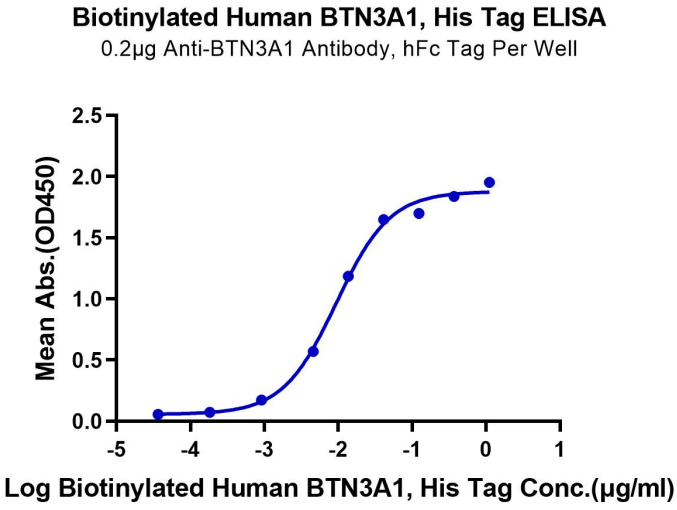
Assay Data

Bis-Tris PAGE



Biotinylated Human BTN3A1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data



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 EC50 of 9.4ng/ml determined by ELISA.