

Anti-BTN3A1 Reference Antibody (CTX-2026)

Recombinant Antibody
Catalog # APR10173

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	O00481
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	57677

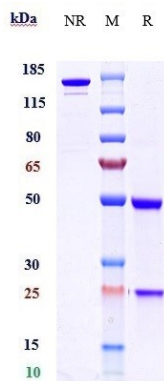
Additional Information

Target/Specificity	BTN3A1
Endotoxin Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

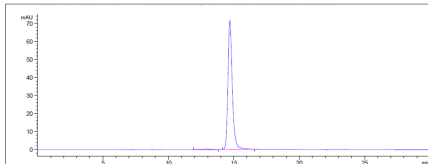
Protein Information

Name	BTN3A1
Synonyms	BTF5
Function	Plays a role in T-cell activation and in the adaptive immune response. Regulates the proliferation of activated T-cells. Regulates the release of cytokines and IFNG by activated T-cells. Mediates the response of T-cells toward infected and transformed cells that are characterized by high levels of phosphorylated metabolites, such as isopentenyl pyrophosphate.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Detected on T-cells, natural killer cells, dendritic cells and macrophages (at protein level). Ubiquitous. Highly expressed in heart, pancreas and lung, Moderately expressed in placenta, liver and muscle.

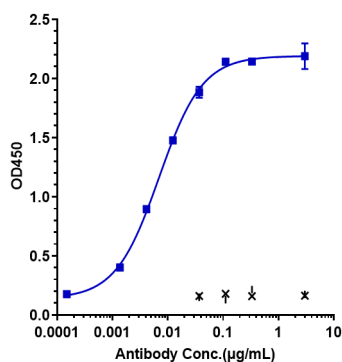
Images



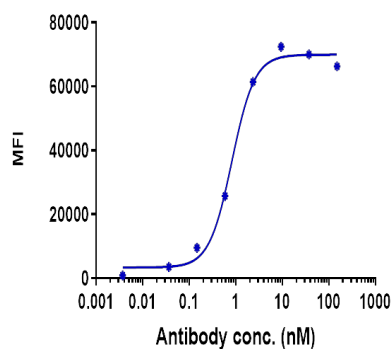
Anti-BTN3A1 Reference Antibody (CTX-2026) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



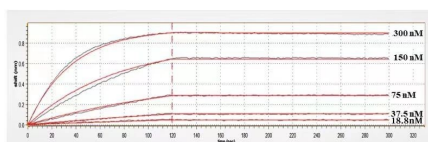
The purity of Anti-BTN3A1 Reference Antibody (CTX-2026) is 98.77%, determined by SEC-HPLC.



Immobilized human PVRIG His at 2 ug/mL can bind Anti-BTN3A1 Reference Antibody (CTX-2026), EC50=0.002394 ug/mL.



Human BTN3 HEK293 cells were stained with Anti-BTN3A1 Reference Antibody (CTX-2026) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC50=0.8254 nM.



Anti-BTN3A1 Reference Antibody(CTX-2026)captured on CM5 chip via anti-human IgG Fc antibodies surface, can bind Human BTN3A1 / BTF5 / CD277, His Tag (Cat. PHA276) with an affinity constant of 9.89×10^{-11} M as determined in a SPR assay

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.