

For Research Use Only

# BTN3A1 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 84688-3-PBS



## Basic Information

|                                                             |                                                           |                                                       |
|-------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>84688-3-PBS                       | <b>GenBank Accession Number:</b><br>BC121800              | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>11119                            | <b>CloneNo.:</b><br>260287C9                          |
| <b>Source:</b><br>Rabbit                                    | <b>UNIPROT ID:</b><br>O00481                              |                                                       |
| <b>Isotype:</b><br>IgG                                      | <b>Full Name:</b><br>butyrophilin, subfamily 3, member A1 |                                                       |
| <b>Immunogen Catalog Number:</b><br>EG1916                  | <b>Calculated MW:</b><br>513 aa, 58 kDa                   |                                                       |

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA

**Species Specificity:**  
human

## Product Information

84688-3-PBS targets BTN3A1 as part of a matched antibody pair:

MP03458-1: 84688-4-PBS capture and 84688-3-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

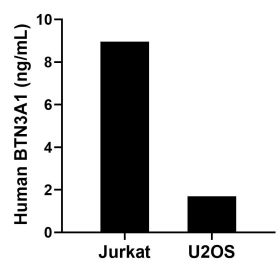
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS only, pH7.3

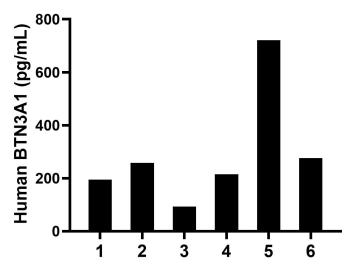
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

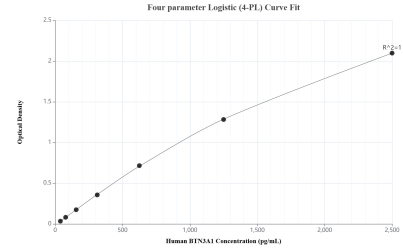
## Selected Validation Data



The mean BTN3A1 concentration was determined to be 9.0 ng/mL in Jurkat cell extract based on a 1.2 mg/mL extract load and 1.7 ng/mL in U2OS cell extract based on a 1.2 mg/mL extract load.



Plasma of six individual healthy human donors was measured. The BTN3A1 concentration of detected samples was determined to be 292.8 pg/mL with a range of 92.7-720.5 pg/mL.



Sandwich ELISA standard curve of MP03458-1, Human BTN3A1 Recombinant Matched Antibody Pair - PBS only. 84688-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1916. 84688-3-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL.