

**BTN3A3 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17634a****Specification**

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**BTN3A3 Antibody (N-term) Blocking Peptide - Product Information**

Primary Accession [O00478](#)

**BTN3A3 Antibody (N-term) Blocking Peptide - Additional Information**

**Gene ID** 10384

**Other Names**

Butyrophilin subfamily 3 member A3, BTN3A3, BTF3

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**BTN3A3 Antibody (N-term) Blocking Peptide - Protein Information**

**Name** BTN3A3

**Synonyms** BTF3

**Function**

Plays a role in T-cell responses in the adaptive immune response.

**Cellular Location**

Cell membrane; Single-pass type I membrane protein

**Tissue Location**

Detected in peripheral blood mononuclear cells and in T-cells (at protein level). Detected in spleen and lymphocytes

**BTN3A3 Antibody (N-term) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**BTN3A3 Antibody (N-term) Blocking Peptide - Images****BTN3A3 Antibody (N-term) Blocking Peptide - Background**

The butyrophilin (BTN) genes are a group of major histocompatibility complex (MHC)-associated genes that encode type I membrane proteins with 2 extracellular immunoglobulin (Ig) domains and an intracellular B30.2 (PRYSPRY) domain. Three subfamilies of human BTN genes are located in the MHC class I region: the single-copy BTN1A1 gene (MIM 601610) and the BTN2 (e.g., BTN2A1; MIM 613590) and BTN3 (e.g., BTN3A3) genes, which have undergone tandem duplication, resulting in 3 copies of each (summary by Smith et al., 2010 [PubMed 20208008]). [supplied by OMIM].

**BTN3A3 Antibody (N-term) Blocking Peptide - References**

Smith, I.A., et al. J. Immunol. 184(7):3514-3525(2010) Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004) Rhodes, D.A., et al. Genomics 71(3):351-362(2001) Henry, J., et al. Immunol. Today 20(6):285-288(1999) Ruddy, D.A., et al. Genome Res. 7(5):441-456(1997)