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BT2A2 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP4739b

Specification

BT2A2 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q8WVV5

BT2A2 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 10385

Other Names
Butyrophilin subfamily 2 member A2, BTN2A2, BT22, BTF2

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.

BT2A2 Antibody (C-term) Blocking Peptide - Protein Information

Name BTN2A2

Synonyms BT2.2, BTF2

Function
Inhibits the proliferation of CD4 and CD8 T-cells activated by anti-CD3 antibodies, T-cell metabolism and IL2 and IFNG secretion.

Cellular Location
Membrane; Single-pass type I membrane protein

Tissue Location
Highly expressed in brain, bone marrow, small intestine, muscle, spleen and pancreas. Moderate expression was seen in lung, liver and kidney.

BT2A2 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

BT2A2 Antibody (C-term) Blocking Peptide - Images

BT2A2 Antibody (C-term) Blocking Peptide - Background

BT2A2 is the major protein associated with fat droplets in the milk. This gene is a member of the BTN2 subfamily of genes, which encode proteins belonging to the butyrophilin protein family. The gene is located in a cluster on chromosome 6, consisting of seven genes belonging to the expanding B7/butyrophilin-like group, a subset of the immunoglobulin gene superfamily. The encoded protein is a type 1 receptor glycoprotein involved in lipid, fatty-acid and sterol metabolism.

BT2A2 Antibody (C-term) Blocking Peptide - References

Shi, J., et al. Nature 460(7256):753-757(2009)Mungall, A.J., et al. Nature 425(6960):805-811(2003)Cavaletto, M., et al. Proteomics 2(7):850-856(2002)