

BTN2A1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant BTN2A1.

Catalog # AT1319a

Product Information

Application	E
Primary Accession	Q7KYR7
Other Accession	BC016661
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3A1
Calculated MW	59633

Additional Information

Gene ID	11120
Other Names	Butyrophilin subfamily 2 member A1, BTN2A1, BT21, BTF1
Target/Specificity	BTN2A1 (AAH16661, 1 a.a. ~ 334 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	BTN2A1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

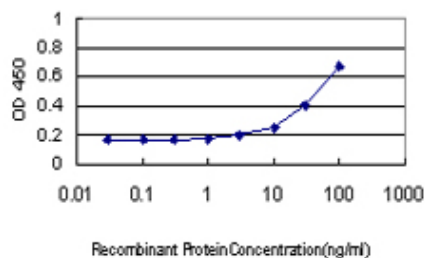
This gene is a member of the BTN2 subfamily of genes, which encode proteins belonging to the butyrophilin protein family. The gene is located in a cluster on chromosome 6, consisting of seven genes belonging to the expanding B7/butyrophilin-like group, a subset of the immunoglobulin gene superfamily. The encoded protein is an integral plasma membrane B box protein involved in lipid, fatty-acid and sterol metabolism.

References

Variants in TF and HFE explain approximately 40% of genetic variation in serum-transferrin levels. Benyamin B, et al. Am J Hum Genet, 2009 Jan. PMID 19084217. The B7 homolog butyrophilin BTN2A1 is a novel ligand for DC-SIGN. Malcherek G, et al. J Immunol, 2007 Sep 15. PMID 17785817. Complete sequencing and

characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039. The DNA sequence and analysis of human chromosome 6. Mungall AJ, et al. Nature, 2003 Oct 23. PMID 14574404. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.

Images



Detection limit for recombinant GST tagged BTN2A1 is approximately 1ng/ml as a capture antibody.

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