Mouse BTN1A1 Monoclonal Antibody | anti-BTN1A1 antibody

BTN1A1 antibody

CATALOG #	HOST	APPLICATIONS
AAA74765	**Mouse**	**Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

BTN1A1; Monoclonal Antibody; BTN1A1 antibody; Monoclonal BTN1A1; Anti-BTN1A1; Butyrophilin Subfamily 1 Member A1; BT; BTN; BTNA 1; BTNA-1; anti-BTN1A1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3A12
Purity/Purification	BTN1A1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	526
Applicable Applications for anti-BTN1A1 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	Butyrophilin is the major protein associated with fat droplets in the milk. It is a member of the immunoglobulin superfamily. It may have a cell surface receptor function. The human butyrophilin gene is localized in the major histocompatibility complex (MHC) class I region of 6p and may have arisen relatively recently in evolution by the shuffling of exons between 2 ancestral gene families. Butyrophilin is the major protein associated with fat droplets in the milk. It is a member of the immunoglobulin superfamily. It may have a cell surface receptor function. The human butyrophilin gene is localized in the major histocompatibility complex (MHC) class I region of 6p and may have arisen relatively recently in evolution by the shuffling of exons between 2 ancestral gene families.
Cross-Reactivity	Human
Immunogen	BTN1A1 antibody was raised in mouse using a full length recombinant protein of human BTN1A1 (NP_001723) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant BTN1A1 protein using BTN1A1 antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant BTN1A1 protein (Right) or empty vector (Left) detected with BTN1A1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-BTN1A1 antibody	Mouse monoclonal BTN1A1 antibody
Product Categories/Family for anti-BTN1A1 antibody	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	166197658
NCBI GeneID	696
NCBI Accession #	NP_001723
NCBI GenBank Nucleotide #	NM_001732.2
UniProt Accession #	Q13410; Q4VAN3; Q4VAN4; Q9H458
Molecular Weight	58,960 Da
NCBI Official Full Name	butyrophilin subfamily 1 member A1
NCBI Official Synonym Full Names	butyrophilin, subfamily 1, member A1
NCBI Official Symbol	BTN1A1
NCBI Official Synonym Symbols	BT; BTN; BTN1
NCBI Protein Information	butyrophilin subfamily 1 member A1
UniProt Protein Name	Butyrophilin subfamily 1 member A1
UniProt Gene Name	**BTN1A1**
UniProt Synonym Gene Names	BTN; BT
UniProt Entry Name	BT1A1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/btn1a1-antibody-clone-3a12-western-blot-immunofluorescence-flow-cytometry-elisa/74765