BTN3A3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BTN3A3, Polyclonal Antibody
Full Product Name	BTN3A3 Antibody, Biotin conjugated
Product Gene Name	anti-BTN3A3 antibody
Product Synonym Names	Butyrophilin subfamily 3 member A3; BTN3A3; BTF3
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	>95%, Protein G Purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: BTN3A3 (MBS1495351) Biotin Conjugated Antibody: BTN3A3 (MBS1496613)
Molecular Weight	59,688 Da
OMIM	613595
3D Structure	ModBase 3D Structure for O00478
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Biotin
Immunogen	Recombinant human Butyrophilin subfamily 3 member A3 protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-138843
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-BTN3A3 antibody	ELISA (EIA)
Related Product Information for anti-BTN3A3 antibody	MBS1496613 is an antibody targeting BTN3A3. Also known as BTN3A3 Antibody, Biotin conjugated. Reactive in Human. Host: Rabbit. Plays a role in T-cell responses in the adaptive immune response.
Other Notes	Small volumes of anti-BTN3A3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BTN3A3. It may not necessarily be applicable to this product.

NCBI GI #	338797729
NCBI GeneID	10384
NCBI Accession #	NP_001229732.1

UniProt Primary Accession #	O00478
UniProt Secondary Accession #	B4DWI7; E9PCP5
UniProt Related Accession #	O00478
GenBank Nucleotide #	NM_001242803.1
NCBI Official Full Name	butyrophilin subfamily 3 member A3 isoform c
NCBI Official Synonym Full Names	butyrophilin subfamily 3 member A3
NCBI Official Symbol	BTN3A3
NCBI Official Synonym Symbols	BTF3; BTN3.3
UniProt Protein Name	Butyrophilin subfamily 3 member A3
Protein Family	Butyrophilin subfamily
UniProt Gene Name	BTN3A3
UniProt Synonym Gene Names	BTF3
UniProt Entry Name	BT3A3_HUMAN
NCBI Protein Information	butyrophilin subfamily 3 member A3
NCBI Summary for BTN3A3	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., BNT3A3) genes, which have undergone tandem duplication, resulting in 3 copies of each (summary by Smith et al., 2010 [PubMed 20208008]).[supplied by OMIM, Nov 2010]
UniProt Comments for BTN3A3	BTN3A3: Plays a role in T-cell responses in the adaptive immune response. Belongs to the immunoglobulin superfamily. BTN/MOG family. Homodimer Protein type: Membrane protein, integral; Cell surface Chromosomal Location of Human Ortholog: 6p21.3 Cellular Component: cytoplasm; Golgi apparatus; integral to membrane; membrane; nucleolus; plasma membrane Biological Process: T cell mediated immunity
Research Articles on BTN3A3	**1.** This study identified that CGPs was found to significantly correlate with the differential expression and methylation of genes encoding butyrophilin, subfamily 3, member A3.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/btn3a3/1496613