

Human Butyrophilin Subfamily 3, Member A1 (BTN3A1) ELISA Kit | BTN3A1 elisa kit

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CATALOG #
AAA149182

REACTIVITY
Human

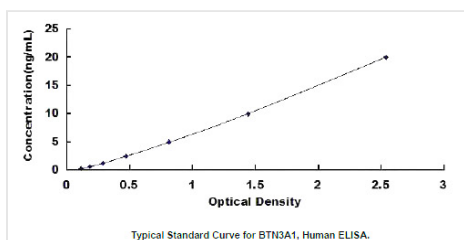
PRODUCT SYNONYMS

Butyrophilin Subfamily 3; Member A1 (BTN3A1); Human Butyrophilin Subfamily 3; Member A1 (BTN3A1) ELISA Kit; CD277; BT3.1; BTF5; BTN3A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of bTG. No significant cross-reactivity or interference between bTG and analogues was observed.
Sequence Length	513
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.124ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level bTG were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level bTG were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BTN3A1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of bTG in rabbit serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to bTG. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to bTG. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain bTG, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of bTG in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for BTN3A1 elisa kit	CD & Adhesion molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	37595558
NCBI GeneID	11119
NCBI Accession #	NP_008979.3
NCBI GenBank Nucleotide #	NM_007048.6
UniProt Accession #	O00481; Q0P515; Q147X5; Q53F15; Q99420; Q9HCY1; A2A278; A8K2C8; B4DIQ1; B4DRM2; E9PGB4; E9PHG8
Molecular Weight	39,397 Da
NCBI Official Full Name	butyrophilin subfamily 3 member A1 isoform a
NCBI Official Synonym Full Names	butyrophilin subfamily 3 member A1
NCBI Official Symbol	BTN3A1
NCBI Official Synonym Symbols	BTF5; BT3.1; CD277; BTN3.1
NCBI Protein Information	butyrophilin subfamily 3 member A1
UniProt Protein Name	Butyrophilin subfamily 3 member A1
UniProt Gene Name	BTN3A1
UniProt Synonym Gene Names	BTF5

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://www.aaabiotech.com/human-elisa-kits/butyrophilin-subfamily-3-member-a1-btn3a1/149182>