

Human Bone Marrow Stromal Cell Antigen 1 (BST1) ELISA Kit | BST1 elisa kit

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CATALOG #
AAA137949

REACTIVITY
Human

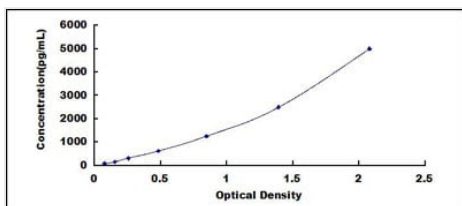
PRODUCT SYNONYMS

Bone Marrow Stromal Cell Antigen 1 (BST1); Human Bone Marrow Stromal Cell Antigen 1 (BST1) ELISA Kit; CD157; ADP-Ribosyl Cyclase 2; ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2; BST1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Bone Marrow Stromal Cell Antigen 1 (BST1). No significant cross-reactivity or interference between Bone Marrow Stromal Cell Antigen 1 (BST1) and analogues was observed.
Sequence Length	260
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	78-5000pg/mL
Sensitivity	31pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Bone Marrow Stromal Cell Antigen 1 (BST1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Bone Marrow Stromal Cell Antigen 1 (BST1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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 BST1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Bone Marrow Stromal Cell Antigen 1 (BST1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Bone Marrow Stromal Cell Antigen 1 (BST1). 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 Bone Marrow Stromal Cell Antigen 1 (BST1), 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 Bone Marrow Stromal Cell Antigen 1 (BST1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for BST1 elisa kit	CD & Adhesion molecule; Tumor immunity; Infection immunity; Rheumatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	15082365
NCBI GeneID	683
UniProt Accession #	Q10588; Q1XII0; Q5U0K0; Q96EN3; B2R6A2
Molecular Weight	29,326 Da
NCBI Official Full Name	Bone marrow stromal cell antigen 1
NCBI Official Synonym Full Names	bone marrow stromal cell antigen 1
NCBI Official Symbol	BST1
NCBI Official Synonym Symbols	CD157
NCBI Protein Information	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2
UniProt Protein Name	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2
UniProt Gene Name	BST1
UniProt Synonym Gene Names	BST-1; cADPr hydrolase 2
UniProt Entry Name	BST1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/bone-marrow-stromal-cell-antigen-1-bst1/137949>