

Human CD157/BST1 ELISA Kit | BST1 elisa kit

Human CD157/BST1 ELISA Kit PicoKine

CATALOG # AAA126691	REACTIVITY Human	APPLICATIONS ELISA
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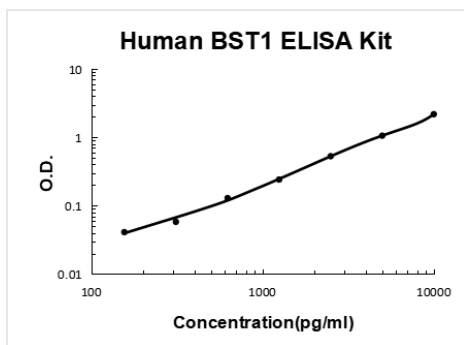
PRODUCT SYNONYMS

CD157/BST1; Human CD157/BST1 ELISA Kit PicoKine; BST1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human BST1
Samples	Cell culture supernatants, serum and plasma(heparin, EDTA)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for BST1 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human CD157/BST1 PicoKine ELISA Kit Standard Curve

ADDITIONAL INFORMATION

Related Product Information for BST1 elisa kit	Background: Bst1 (Bone marrow stromal cell antigen 1, ADP-ribosyl cyclase 2, CD157) is an enzyme that in humans is encoded by the BST1 gene. Bone marrow stromal cell antigen-1 is a stromal cell line-derived glycosylphosphatidylinositol-anchored molecule that facilitates pre-B-cell growth. The deduced amino acid sequence exhibits 33% similarity with CD38. BST1 expression is enhanced in bone marrow stromal cell lines derived from patients with rheumatoid arthritis. The polyclonal B-cell abnormalities in rheumatoid arthritis may be, at least in part, attributed to BST1 overexpression in the stromal cell population. Principle of the Assay: The Picokine™ Human BST1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human BST1 with a 96-well strip plate that is pre-coated with antibody specific for BST1. The detection antibody is a biotinylated antibody specific for BST1. The capture antibody is monoclonal antibody from mouse and the detection antibody is biotinylated polyclonal antibody from goat. The kit includes Human BST1 protein as standards. To measure Human BST1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human BST1 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human BST1 in the sample.
Product Categories/Family for BST1 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	168229159
NCBI GeneID	683
NCBI Accession #	NP_004325.2
NCBI GenBank Nucleotide #	NM_004334.2
UniProt Accession #	Q10588; Q5U0K0; Q96EN3; B2R6A2
Molecular Weight	35,724 Da
NCBI Official Full Name	ADP-ribosyl cyclase 2
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 2; BST-1; cADPr hydrolase 2; NAD(+) nucleosidase; bone marrow stromal antigen 1; cyclic ADP-ribose hydrolase 2
UniProt Protein Name	ADP-ribosyl cyclase 2
UniProt Gene Name	BST1
UniProt Synonym Gene Names	BST-1
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.