

Human BST2 (Bone marrow stromal antigen 2) ELISA Kit | BST2 elisa kit

Human BST2 (Bone marrow stromal antigen 2) ELISA Kit

CATALOG #
AAA248821

REACTIVITY
Human

PRODUCT SYNONYMS

BST2 (Bone marrow stromal antigen 2); Human BST2 (Bone marrow stromal antigen 2) ELISA Kit; BST2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BST2. No significant cross-reactivity or interference between BST2 and analogues was observed.
Samples	serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10 ng/ml
Sensitivity	<0.094 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BST2 were tested 20 times on one plate, respectively. Intra-Assay: CV < 8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level BST2 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/mean X 100. Inter-Assay: CV < 10%
Preparation and Storage	Store entire kit at 2-8°C for short-term. For longer-term, please store the microplate & standard at -20°C, while the remaining reagents can be stored at 2-8°C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a BST2 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.052	0.114	0.186	0.282	0.467	0.876	1.459	2.139

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BST2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-BST2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-BST2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the BST2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of BST2 can be calculated.

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.