

Human Protein bassoon ELISA Kit | BSN elisa kit

Human Protein bassoon ELISA Kit

CATALOG #
AAA100953

REACTIVITY
Human

PRODUCT SYNONYMS

Protein bassoon; Human Protein bassoon ELISA Kit; BSN/Protein bassoon/Zinc finger protein 231; BSN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BNP. No significant cross-reactivity or interference between BNP and analogues was observed.
Sequence Length	3926
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level BNP 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 BNP were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a BSN 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	pg/ml	0	78.125	156.25	312.5	625	1250	2500	5000
Y	OD450	0.081	0.150	0.224	0.401	0.790	1.258	2.032	2.685

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BSN elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-BNP antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-BNP 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 BNP amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of BNP can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	91208420
NCBI GeneID	8927
NCBI Accession #	NP_003449.2
NCBI GenBank Nucleotide #	NM_003458.3
Molecular Weight	416,469 Da
NCBI Official Full Name	protein bassoon
NCBI Official Synonym Full Names	bassoon presynaptic cytomatrix protein
NCBI Official Symbol	BSN
NCBI Official Synonym Symbols	ZNF231
NCBI Protein Information	protein bassoon
UniProt Protein Name	Protein bassoon
UniProt Gene Name	BSN
UniProt Synonym Gene Names	KIAA0434; ZNF231
UniProt Entry Name	BSN_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.

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Online datasheet: <https://www.aaabiotech.com/bsn-human-elisa-kits/protein-bassoon/100953>