

Human X-box binding protein 1 ELISA Kit | XBP1 elisa kit

Human X-box-binding protein 1, XBP1 ELISA Kit

CATALOG #
AAA112569

REACTIVITY
Human

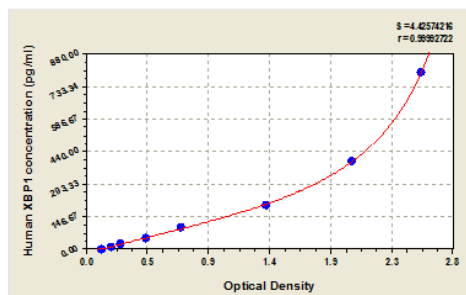
PRODUCT SYNONYMS

X-box binding protein 1; Human X-box-binding protein 1; XBP1 ELISA Kit; Human X-box-binding protein 1 (XBP1) ELISA kit; TREB5; XBP2; ; XBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human XBP1. No significant cross-reactivity or interference between Human XBP1 and analogues was observed.
Sequence Length	376
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	12.5 pg/ml-800 pg/ml
Sensitivity	3.12 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Transcription/Transcription regulation
Protein Biological Process 3	Transcription
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for XBP1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for XBP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any XBP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for XBP1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of XBP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	118640873
NCBI GeneID	7494
NCBI Accession #	NP_001073007.1
NCBI GenBank Nucleotide #	NM_001079539.1
UniProt Accession #	P17861; Q8WYK6; Q969P1; Q96BD7
Molecular Weight	40,148 Da
NCBI Official Full Name	X-box-binding protein 1 isoform XBP1(S)
NCBI Official Synonym Full Names	X-box binding protein 1
NCBI Official Symbol	XBP1
NCBI Official Synonym Symbols	XBP2; TREB5; XBP-1
NCBI Protein Information	X-box-binding protein 1; tax-responsive element-binding protein 5
UniProt Protein Name	X-box-binding protein 1
UniProt Gene Name	XBP1
UniProt Synonym Gene Names	TREB5; XBP2; XBP-1
UniProt Entry Name	XBP1_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://stage.aaabiotech.com/xbp1-human-elisa-kits/x-box-binding-protein-1/112569>