

Human X Box Binding Protein 1 ELISA Kit | XBP1 elisa kit

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CATALOG #
AAA88049

REACTIVITY
Human

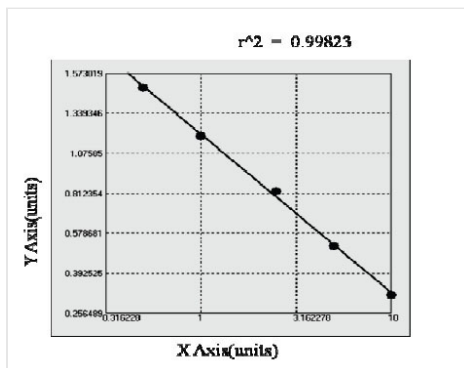
PRODUCT SYNONYMS

X Box Binding Protein 1; Human X Box Binding Protein 1 ELISA Kit; XBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for XBP1 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This XBP1/TREB5 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human XBP1/TREB5. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY XBP1/TREB5 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-XBP1/TREB5 antibody and an XBP1/TREB5-HRP conjugate. The assay sample and buffer are incubated together with XBP1/TREB5-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the XBP1/TREB5 concentration since XBP1/TREB5 from samples and XBP1/TREB5-HRP conjugate compete for the anti-XBP1/TREB5 antibody binding site. Since the number of sites is limited, as more sites are occupied by XBP1/TREB5 from the sample, fewer sites are left to bind XBP1/TREB5-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The XBP1/TREB5 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for XBP1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	14110395
NCBI GeneID	7494
NCBI Accession #	NP_005071.2
NCBI GenBank Nucleotide #	NM_005080.3
Molecular Weight	40,148 Da
NCBI Official Full Name	X-box-binding protein 1 isoform XBP1(U)
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-1/88049>