

Rat X-Box-Binding Protein 1 (XBP1) ELISA Kit | XBP1 elisa kit

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CATALOG #
AAA330137

REACTIVITY
Rat

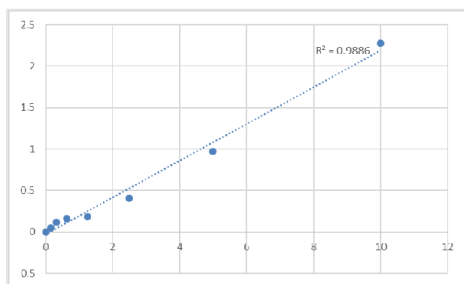
PRODUCT SYNONYMS

X-Box-Binding Protein 1 (XBP1); Rat X-Box-Binding Protein 1 (XBP1) ELISA Kit; XBP1; TREB5; XBP2; XBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat X-box-binding protein 1 (XBP1) ELISA Kit has high sensitivity and excellent specificity for detection of Rat XBP1. No significant cross-reactivity or interference between Rat XBP1 and analogues was observed.
Sequence Length	267
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Rat X-box-binding protein 1 (XBP1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for XBP1 elisa kit	Description: This Rat X-box-binding protein 1 (XBP1) ELISA Kit employs a two-site sandwich ELISA to quantitate XBP1 in samples. An 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, Streptavidin 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. Background: Chemokine (C motif) ligand (XCL1) is a small cytokine belonging to the XC chemokine family that is also known as lymphotactin. It is found in high levels in spleen, thymus, intestine and peripheral blood leukocytes, and at lower levels in lung, prostate gland and ovary. it shows little or no expression in colon and testis. Lymphotactin is chemotactic for CD4+ and CD8+ T cells but not for monocytes, and induces a rise in intracellular calcium in peripheral blood lymphocytes. Cellular sources for XCL1 include activated thymic and peripheral blood CD8 T cells. This chemokine attracts T cells. In humans, XCL1 is closely related to another chemokine called XCL2, whose gene is found at the same locus on chromosome 1. XCL1 induces it chemotactic function by binding to a chemokine receptor called XCR1.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	51948392
NCBI GeneID	289754
NCBI Accession #	NP_001004210.1
NCBI GenBank Nucleotide #	NP_001004210.1
UniProt Accession #	Q9R1S4
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	HTF
NCBI Protein Information	X-box-binding protein 1
UniProt Protein Name	X-box-binding protein 1
UniProt Gene Name	Xbp1
UniProt Synonym Gene Names	HTF

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.