

Human T-Box Protein 3 (TBX3) ELISA Kit | TBX3 elisa kit

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CATALOG #
AAA63284

REACTIVITY
Human

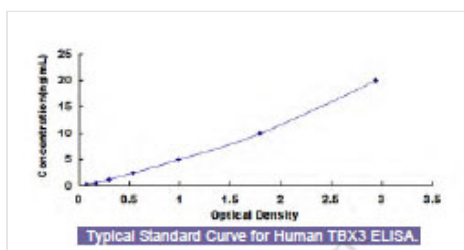
PRODUCT SYNONYMS

T-Box Protein 3 (TBX3); Human T-Box Protein 3 (TBX3) ELISA Kit; TBX3-ISO; UMS; XHL; Ulnar Mammary Syndrome; TBX3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TBX3. No significant cross-reactivity or interference between TBX3 and analogues was observed.
Sequence Length	723
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.116ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TBX3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TBX3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TBX3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TBX3 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TBX3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TBX3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TBX3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TBX3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47419905
NCBI GeneID	6926
NCBI Accession #	NP_005987.3
NCBI GenBank Nucleotide #	NM_005996.3
UniProt Accession #	O15119; Q8TB20; Q9UKF8
Molecular Weight	â€“ Da
NCBI Official Full Name	T-box transcription factor TBX3 isoform 1
NCBI Official Synonym Full Names	T-box 3
NCBI Official Symbol	TBX3
NCBI Official Synonym Symbols	UMS; XHL; TBX3-ISO
NCBI Protein Information	T-box transcription factor TBX3
UniProt Protein Name	T-box transcription factor TBX3
UniProt Gene Name	TBX3
UniProt Synonym Gene Names	T-box protein 3

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.