

Human Brachyury protein (T) ELISA Kit | T elisa kit

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CATALOG #
AAA245765

REACTIVITY
Human

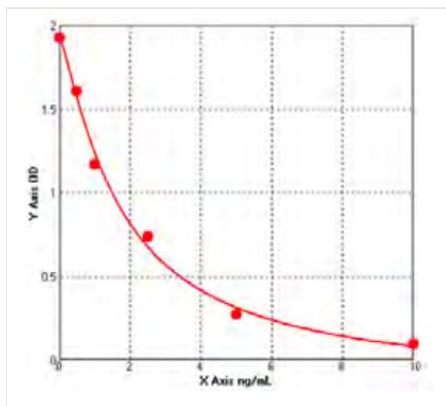
PRODUCT SYNONYMS

Brachyury protein (T); Human Brachyury protein (T) ELISA Kit; T elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BPT. No significant cross-reactivity or interference between BPT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BPT and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for T elisa kit	Principle of the Assay: BPT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-BPT antibody and an BPT-HRP conjugate. The assay sample and buffer are incubated together with BPT-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 BPT concentration since BPT from samples and BPT-HRP conjugate compete for the anti-BPT antibody binding site. Since the number of sites is limited, as more sites are occupied by BPT from the sample, fewer sites are left to bind BPT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BPT concentration in each sample is interpolated from this standard curve. Intended Uses: This BPT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BPT. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for T elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	394953947
NCBI GeneID	6862
NCBI Accession #	NP_001257413.1
NCBI GenBank Nucleotide #	NM_001270484.1
Molecular Weight	41,078 Da
NCBI Official Full Name	brachyury protein isoform 2
NCBI Official Synonym Full Names	T, brachyury homolog (mouse)
NCBI Official Symbol	T
NCBI Official Synonym Symbols	TFT; SAVA
NCBI Protein Information	brachyury protein; protein T; T brachyury homolog
UniProt Protein Name	Brachyury protein
UniProt Gene Name	T
UniProt Entry Name	BRAC_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/human-elisa-kits/brachyury-protein-t/245765>