

Mouse Brachyury Protein (T) ELISA Kit | T elisa kit

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CATALOG #
AAA332328

REACTIVITY
Mouse

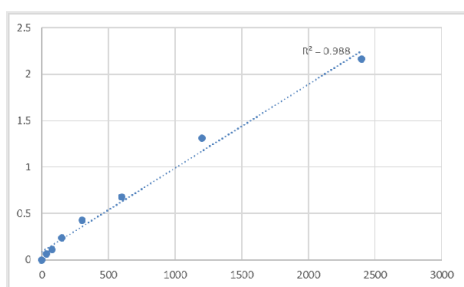
PRODUCT SYNONYMS

Brachyury Protein (T); Mouse Brachyury Protein (T) ELISA Kit; T; RP11-459F1.1; MGC104817; TFT; OTTHUMP00000017588; T brachyury homolog; T brachyury-like; transcription factor T; T elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Brachyury protein (T) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse T. No significant cross-reactivity or interference between Mouse T and analogues was observed.
Sequence Length	436
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. Mouse Brachyury protein (T) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for T elisa kit	Description: This Mouse Brachyury protein (T) ELISA Kit employs a two-site sandwich ELISA to quantitate T in samples. An antibody specific for T has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any T present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for T 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 T bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Brachyury appears to have a conserved role in defining the midline of a bilaterian organism, and thus the establishment of the anterior-posterior axis; this function is apparent in chordates and molluscs. Its ancestral role, or at least the role it plays in the Cnidaria, appears to be in defining the blastopore. It also defines the mesoderm during gastrulation. Tissue-culture based techniques have demonstrated one of its roles may be in controlling the velocity of cells as they leave the primitive streak. Transcription of genes required for mesoderm formation and cellular differentiation. Brachyury has also been shown to help establish the cervical vertebral blueprint during fetal development. The number of cervical vertebrae is highly conserved among all mammals; however a spontaneous vertebral and spinal dysplasia (VSD) mutation in this gene has been associated with the development of six or fewer cervical vertebrae instead of the usual seven.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6678203
NCBI GeneID	20997
NCBI Accession #	NP_033335.1
NCBI GenBank Nucleotide #	NP_033335.1
UniProt Accession #	P20293
NCBI Official Full Name	T-box transcription factor T
NCBI Official Synonym Full Names	brachyury, T-box transcription factor T
NCBI Official Symbol	T
NCBI Official Synonym Symbols	Lr; T1; Bra; Low; TI2; TI3; cou; Tbx; me75; D17Mit170
NCBI Protein Information	T-box transcription factor T; brachyury protein
UniProt Protein Name	Brachyury protein
UniProt Gene Name	T

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.