

Mouse Transketolase-Like Protein 1 (TKTL1) ELISA Kit | TKTL1 elisa kit

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CATALOG #
AAA332228

REACTIVITY
Mouse

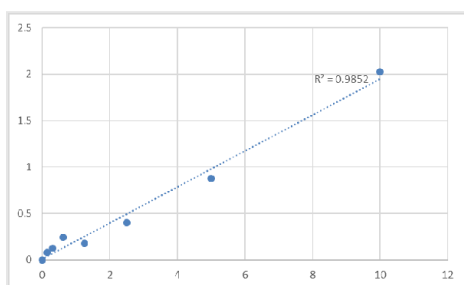
PRODUCT SYNONYMS

Transketolase-Like Protein 1 (TKTL1); Mouse Transketolase-Like Protein 1 (TKTL1) ELISA Kit; TKTL1; LLOXNC01-14B7.1; TKR; TKT2; transketolase-2; transketolase-related protein; TKTL1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Transketolase-like protein 1 (TKTL1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TKTL1. No significant cross-reactivity or interference between Mouse TKTL1 and analogues was observed.
Sequence Length	595
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 Transketolase-like protein 1 (TKTL1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TKTL1 elisa kit	Description: This Mouse Transketolase-like protein 1 (TKTL1) ELISA Kit employs a two-site sandwich ELISA to quantitate TKTL1 in samples. An antibody specific for TKTL1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TKTL1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TKTL1 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 TKTL1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Transketolase (TKT;) is a thiamine-dependent enzyme that links the pentose phosphate pathway with the glycolytic pathway. As part of a systematic search for differentially expressed genes, Coy et al. (1996) isolated a novel transketolase-related gene, TKTL1, which they called TKR. They isolated transcripts encoding tissue-specific protein isoforms. Comparison with known transketolases demonstrated a TKR-specific deletion mutating 1 thiamine-binding site. Genomic sequencing of the TKR gene by Coy et al. (1996) revealed the presence of a pseudoexon, as well as the acquisition of a tissue-specific spliced exon, compared to the TKT gene, which maps to 3p14.3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	125347421
NCBI GeneID	83553
NCBI Accession #	NP_113556.2
NCBI GenBank Nucleotide #	NP_113556.2
UniProt Accession #	Q99MX0
NCBI Official Full Name	transketolase-like protein 1
NCBI Official Synonym Full Names	transketolase-like 1
NCBI Official Symbol	Tktl1
NCBI Official Synonym Symbols	C79967
NCBI Protein Information	transketolase-like protein 1
UniProt Protein Name	Transketolase-like protein 1
UniProt Gene Name	Tktl1
UniProt Synonym Gene Names	TK 2
UniProt Entry Name	TKTL1_MOUSE

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.