

Mouse Transaldolase (TALDO1) ELISA Kit | TALDO1 elisa kit

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CATALOG #
AAA332342

REACTIVITY
Mouse

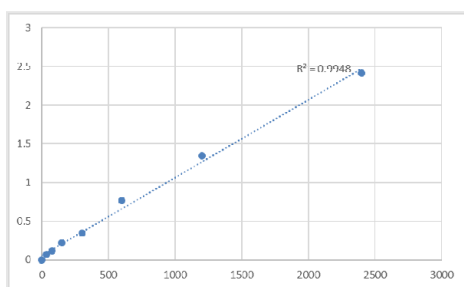
PRODUCT SYNONYMS

Transaldolase (TALDO1); Mouse Transaldolase (TALDO1) ELISA Kit; TALDO1; TAL; TAL-H; TALDOR; TALH; dihydroxyacetone transferase; glycerone transferase; TALDO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Transaldolase (TALDO1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TALDO1. No significant cross-reactivity or interference between Mouse TALDO1 and analogues was observed.
Sequence Length	337
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 Transaldolase (TALDO1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TALDO1 elisa kit	Description: This Mouse Transaldolase (TALDO1) ELISA Kit employs a two-site sandwich ELISA to quantitate TALDO1 in samples. An antibody specific for TALDO1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TALDO1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TALDO1 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 TALDO1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Taldo1 encodes a key enzyme of the nonoxidative pentose phosphate pathway that provides ribose-5-phosphate for nucleic acid synthesis and nicotinamide adenine dinucleotide phosphate (NADPH) for lipid biosynthesis. The encoded protein is important for maintaining structure and function of mitochondria. Studies in knockout mice identify that deficiency of this gene product is a cause of sperm dysmotility and male infertility. Deficiency of Taldo1 has also been identified as a cause of hepatocarcinogenesis in mice. Two related pseudogenes have been identified on chromosome 10.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	33859640
NCBI GeneID	21351
NCBI Accession #	NP_035658.1
NCBI GenBank Nucleotide #	NP_035658.1
UniProt Accession #	Q93092
NCBI Official Full Name	transaldolase
NCBI Official Synonym Full Names	transaldolase 1
NCBI Official Symbol	Taldo1
NCBI Protein Information	transaldolase
UniProt Protein Name	Transaldolase
UniProt Gene Name	Taldo1
UniProt Synonym Gene Names	Tal; Taldo
UniProt Entry Name	TALDO_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.