

Human Transaldolase (TALDO1) ELISA Kit | TALDO1 elisa kit

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CATALOG #
AAA330678

REACTIVITY
Human

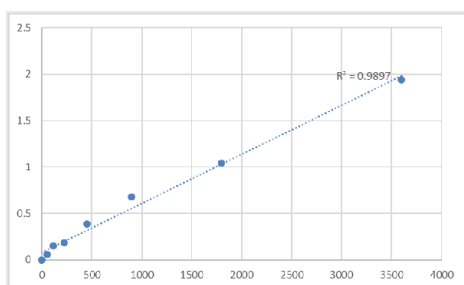
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Transaldolase (TALDO1) ELISA Kit has high sensitivity and excellent specificity for detection of Human TALDO1. No significant cross-reactivity or interference between Human 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. Human Transaldolase (TALDO1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TALDO1 elisa kit	Description: This Human 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: Transaldolase 1 is a key enzyme of the nonoxidative pentose phosphate pathway providing ribose-5-phosphate for nucleic acid synthesis and NADPH for lipid biosynthesis. This pathway can also maintain glutathione at a reduced state and thus protect sulfhydryl groups and cellular integrity from oxygen radicals. The functional gene of transaldolase 1 is located on chromosome 11 and a pseudogene is identified on chromosome 1 but there are conflicting map locations. The second and third exon of this gene were developed by insertion of a retrotransposable element. This gene is thought to be involved in multiple sclerosis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5803187
NCBI GeneID	6888
NCBI Accession #	NP_006746.1
NCBI GenBank Nucleotide #	NP_006746.1
UniProt Accession #	P37837
NCBI Official Full Name	transaldolase
NCBI Official Synonym Full Names	transaldolase 1
NCBI Official Symbol	TALDO1
NCBI Official Synonym Symbols	TAL; TALH; TAL-H; TALDOR
NCBI Protein Information	transaldolase
UniProt Protein Name	Transaldolase
UniProt Gene Name	TALDO1
UniProt Synonym Gene Names	TAL; TALDO; TALDOR
UniProt Entry Name	TALDO_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.