

Human Threonyl-tRNA Synthetase, Cytoplasmic (TARS) ELISA Kit | TARS elisa kit

Human Threonyl-tRNA Synthetase, Cytoplasmic (TARS) ELISA Kit

CATALOG #
AAA330693

REACTIVITY
Human

PRODUCT SYNONYMS

Threonyl-tRNA Synthetase; Cytoplasmic (TARS); Human Threonyl-tRNA Synthetase; Cytoplasmic (TARS) ELISA Kit; TARS; MGC9344; ThrRS; threonine tRNA ligase 1; cytoplasmic; threonine--tRNA ligase; TARS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Threonyl-tRNA synthetase, cytoplasmic (TARS) ELISA Kit has high sensitivity and excellent specificity for detection of Human TARS. No significant cross-reactivity or interference between Human TARS and analogues was observed.
Sequence Length	723
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 Threonyl-tRNA synthetase, cytoplasmic (TARS) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TARS elisa kit	Description: This Human Threonyl-tRNA synthetase, cytoplasmic (TARS) ELISA Kit employs a two-site sandwich ELISA to quantitate TARS in samples. An antibody specific for TARS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TARS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TARS 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 TARS bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Threonyl-tRNA synthetase belongs to the class-II aminoacyl-tRNA synthetase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	60267755
NCBI GeneID	6897
UniProt Accession #	P26639
NCBI Official Full Name	Threonine--tRNA ligase, cytoplasmic
NCBI Official Synonym Full Names	threonyl-tRNA synthetase
NCBI Official Symbol	TARS
NCBI Official Synonym Symbols	ThrRS
NCBI Protein Information	threonine--tRNA ligase, cytoplasmic
UniProt Protein Name	Threonine--tRNA ligase, cytoplasmic
UniProt Gene Name	TARS
UniProt Synonym Gene Names	ThrRS
UniProt Entry Name	SYTC_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/threonyl-trna-synthetase-cytoplasmic-tars/330693>