

Human threonyl-tRNA synthetase ELISA Kit | TARS elisa kit

Human Threonyl-tRNA synthetase, cytoplasmic, TARS ELISA Kit

CATALOG #
AAA112856

REACTIVITY
Human

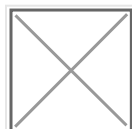
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay 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
Samples	Serum, plasma, Cell lysates, tissue homogenates
Assay Type	Sandwich
Detection Range	12.5 pg/ml-800 pg/ml
Sensitivity	3.12 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Biosynthesis/Metabolism
Protein Biological Process 2	Amino-acid biosynthesis and metabolism
Protein Biological Process 3	Protein biosynthesis
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TARS elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. 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, avidin 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	386642860
NCBI GeneID	6897
NCBI Accession #	NP_001245366.1
NCBI GenBank Nucleotide #	NM_001258437.1
UniProt Accession #	P26639; Q96FP5; Q9BWA6; A8K8I1; B4DEG8
Molecular Weight	83,435 Da
NCBI Official Full Name	threonine--tRNA ligase, cytoplasmic isoform 1
NCBI Official Synonym Full Names	threonyl-tRNA synthetase
NCBI Official Symbol	TARS
NCBI Official Synonym Symbols	ThrRS
NCBI Protein Information	threonine--tRNA ligase, cytoplasmic; threonine tRNA ligase 1, cytoplasmic; threonyl-tRNA synthetase, 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/tars-human-elisa-kits/threonyl-trna-synthetase/112856>