

Mouse Threonyl-tRNA Synthetase, Mitochondrial (TARS2) ELISA Kit | TARS2 elisa kit

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CATALOG #
AAA332359

REACTIVITY
Mouse

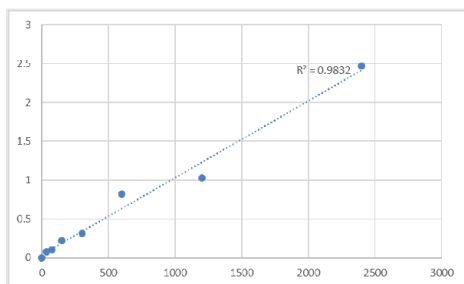
PRODUCT SYNONYMS

Threonyl-tRNA Synthetase; Mitochondrial (TARS2); Mouse Threonyl-tRNA Synthetase; Mitochondrial (TARS2) ELISA Kit; TARS2; RP11-54A4.9; FLJ12528; TARSL1; threonine tRNA ligase 2; mitochondrial; threonyl-tRNA synthetase 2; threonyl-tRNA synthetase-like 1; TARS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Threonyl-tRNA synthetase, mitochondrial (TARS2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TARS2. No significant cross-reactivity or interference between Mouse TARS2 and analogues was observed.
Sequence Length	697
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 Threonyl-tRNA synthetase, mitochondrial (TARS2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TARS2 elisa kit	Description: This Mouse Threonyl-tRNA synthetase, mitochondrial (TARS2) ELISA Kit employs a two-site sandwich ELISA to quantitate TARS2 in samples. An antibody specific for TARS2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TARS2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TARS2 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 TARS2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TARS2 encodes a member of the class-II aminoacyl-tRNA synthetase family. The encoded protein is a mitochondrial aminoacyl-tRNA synthetase. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 4.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	254692867
NCBI GeneID	71807
NCBI Accession #	NP_001157089.1
NCBI GenBank Nucleotide #	NP_001157089.1
UniProt Accession #	Q3UQ84
NCBI Official Full Name	threonine--tRNA ligase, mitochondrial isoform 2
NCBI Official Synonym Full Names	threonyl-tRNA synthetase 2, mitochondrial (putative)
NCBI Official Symbol	Tars2
NCBI Official Synonym Symbols	thrRS; Tarsl1; AI429208; 2610024N01Rik
NCBI Protein Information	threonine--tRNA ligase, mitochondrial
UniProt Protein Name	Threonine--tRNA ligase, mitochondrial
UniProt Gene Name	Tars2
UniProt Synonym Gene Names	Tarsl1; ThrRS
UniProt Entry Name	SYTM_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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/threonyl-trna-synthetase-mitochondrial-tars2/332359>