

Human Tyrosyl tRNA Synthetase 2, Mitochondrial ELISA Kit | YARS2 elisa kit

Human Tyrosyl tRNA Synthetase 2, Mitochondrial (YARS2) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189897

REACTIVITY
Human

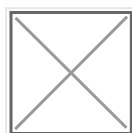
PRODUCT SYNONYMS

Tyrosyl tRNA Synthetase 2; Mitochondrial; Human Tyrosyl tRNA Synthetase 2; Mitochondrial (YARS2) (Sandwich ELISA) ELISA Kit; CGI-04; mt-TyrRS; TyrRS; Tyrosyl-tRNA synthetase; Tyrosine tRNA Ligase 2; ELISA Kit for Tyrosyl tRNA Synthetase 2; Mitochondrial (YARS2); YARS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Tyrosyl tRNA Synthetase 2, Mitochondrial (YARS2). No significant cross-reactivity or interference between Tyrosyl tRNA Synthetase 2, Mitochondrial (YARS2) and analogues was observed. Reactive with Human YARS2 / Tyrosyl tRNA Synthetase 2, Mitochondrial
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.054ng/mL
Detection Method	Colormetric
Assay Precision	Intra-Assay: CV<10%, Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

Typical Standard Curve for YARS2 ELISA (Sandwich)

ADDITIONAL INFORMATION

Related Product Information for YARS2 elisa kit

Principle of the Assay||The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Tyrosyl tRNA Synthetase 2, Mitochondrial (YARS2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Tyrosyl tRNA Synthetase 2, Mitochondrial (YARS2). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Tyrosyl tRNA Synthetase 2, Mitochondrial (YARS2), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Tyrosyl tRNA Synthetase 2, Mitochondrial (YARS2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Product Categories/Family for YARS2 elisa kit

Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	50401709
NCBI GeneID	51067
UniProt Accession #	Q9Y2Z4; Q9H817; D3DUW8
Molecular Weight	477
NCBI Official Full Name	Tyrosine--tRNA ligase, mitochondrial
NCBI Official Synonym Full Names	tyrosyl-tRNA synthetase 2, mitochondrial
NCBI Official Symbol	YARS2
NCBI Official Synonym Symbols	TYRRS; CGI-04; MLASA2; MT-TYRRS
NCBI Protein Information	tyrosine--tRNA ligase, mitochondrial; tyrosine tRNA ligase 2, mitochondrial
UniProt Protein Name	Tyrosine--tRNA ligase, mitochondrial
UniProt Gene Name	YARS2
UniProt Synonym Gene Names	TyrRS
UniProt Entry Name	SYYM_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/yars2-human-elisa-kits/tyrosyl-trna-synthetase-2-mitochondrial/189897>