

Human tryptophanyl-tRNA synthetase ELISA Kit | WARS elisa kit

Human tryptophanyl-tRNA synthetase, WARS ELISA Kit

CATALOG #
AAA15440

REACTIVITY
Human

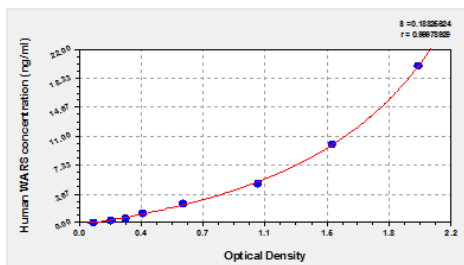
PRODUCT SYNONYMS

tryptophanyl-tRNA synthetase; Human tryptophanyl-tRNA synthetase; WARS ELISA Kit; GAMMA-2; IFI53; IFP53; interferon-induced protein 53; tryptophan tRNA ligase 1; cytoplasmic; WARS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human WARS. No significant cross-reactivity or interference between human WARS and analogues was observed.
Sequence Length	471
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	< 0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 WARS elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for WARS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any WARS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WARS 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 WARS 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 #	47419914
NCBI GeneID	7453
NCBI Accession #	NP_004175.2
NCBI GenBank Nucleotide #	NM_004184.3
UniProt Accession #	P23381; P78535; Q502Y0; Q53XB6; Q9UDI5; Q9UDL3; A6NGN1; A6NID3
Molecular Weight	53,165 Da
NCBI Official Full Name	tryptophan--tRNA ligase, cytoplasmic isoform a
NCBI Official Synonym Full Names	tryptophanyl-tRNA synthetase
NCBI Official Symbol	WARS
NCBI Official Synonym Symbols	IFI53; IFP53; GAMMA-2
NCBI Protein Information	tryptophan--tRNA ligase, cytoplasmic; hWRS; trpRS; interferon-induced protein 53; tryptophan tRNA ligase 1, cytoplasmic
UniProt Protein Name	Tryptophan--tRNA ligase, cytoplasmic
UniProt Gene Name	WARS
UniProt Synonym Gene Names	IFI53; WRS; IFP53; TrpRS; hWRS
UniProt Entry Name	SYWC_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/wars-human-elisa-kits/tryptophanyl-trna-synthetase/15440>