

Rat Tryptophanyl tRNA Synthetase (WARS) ELISA Kit | WARS elisa kit

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CATALOG #
AAA151270

REACTIVITY
Rat

PRODUCT SYNONYMS

Tryptophanyl tRNA Synthetase (WARS); Rat Tryptophanyl tRNA Synthetase (WARS) ELISA Kit; WARS/Tryptophanyl tRNA Synthetase; GAMMA-2; IFI53; IFP53; WRS; TrpRS; hWRS; Tryptophan tRNA Ligase 1; Cytoplasmic; Interferon-induced protein 53; Tryptophanyl-tRNA synthetase; WARS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of WARS. No significant cross-reactivity or interference between WARS and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level WARS were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level WARS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term(within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

ADDITIONAL INFORMATION

Related Product Information for WARS elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to WARS. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to WARS. 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 WARS, 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 WARS in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of WARS in rat tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for WARS elisa kit	Signal transduction; Enzyme & Kinase; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	564357211
NCBI GeneID	314442
NCBI Accession #	XP_006240604.1
NCBI GenBank Nucleotide #	XM_006240542.2
UniProt Accession #	Q6P7B0
Molecular Weight	54,144 Da
NCBI Official Full Name	tryptophan--tRNA ligase, cytoplasmic isoform X1
NCBI Official Synonym Full Names	tryptophanyl-tRNA synthetase
NCBI Official Symbol	Wars
NCBI Protein Information	tryptophan--tRNA ligase, cytoplasmic
UniProt Protein Name	Tryptophan--tRNA ligase, cytoplasmic
UniProt Gene Name	Wars
UniProt Synonym Gene Names	TrpRS
UniProt Entry Name	SYWC_RAT

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://www.aaabiotech.com/rat-elisa-kits/tryptophanyl-trna-synthetase-wars/151270>