

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

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CATALOG #
AAA20811

REACTIVITY
Mouse

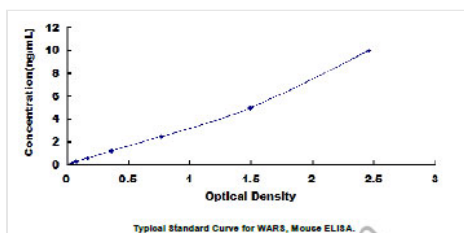
PRODUCT SYNONYMS

Tryptophanyl tRNA Synthetase (WARS); Mouse Tryptophanyl tRNA Synthetase (WARS) ELISA Kit; 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	Mouse
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.
Sequence Length	336
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.064ng/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	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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for WARS elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of WARS in mouse tissue homogenates, cell lysates and other biological fluids. 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.
Product Categories/Family for WARS elisa kit	Signal transduction; Enzyme & Kinase; Infection immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	24413784
NCBI GeneID	1098771
UniProt Accession #	Q8CJX0
Molecular Weight	36,804 Da
NCBI Official Full Name	tryptophanyl tRNA synthetase
NCBI Official Symbol	SCO3334
NCBI Official Synonym Symbols	SCE68.32; SCE7.01; trpS
NCBI Protein Information	tryptophanyl-tRNA synthetase
UniProt Protein Name	Tryptophan--tRNA ligase 1
UniProt Gene Name	trpS1
UniProt Synonym Gene Names	TrpRS 1
UniProt Entry Name	SYW1_STRCO

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/tryptophanyl-trna-synthetase-wars/20811>