

Mouse Tryptophanyl-tRNA synthetase, cytoplasmic ELISA Kit | Wars elisa kit

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CATALOG #
AAA193877

REACTIVITY
Mouse

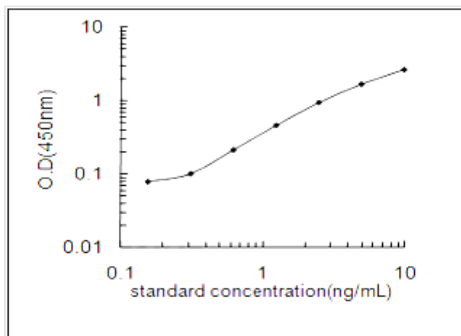
PRODUCT SYNONYMS

Tryptophanyl-tRNA synthetase; cytoplasmic; Mouse Tryptophanyl-tRNA synthetase; cytoplasmic ELISA Kit; Tryptophan--tRNA ligase; TrpRS; Wars; Wrs; 6.1.1.2; Wars elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes recombinant and natural mouseTryptophanyl-tRNA synthetase, cytoplasmic. No significant cross-reactivity or interference was observed.
Sequence Length	475
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.088 ng/mL
Intra-Assay CV	<=6.2%
Inter-Assay CV	<=8.5%
Recovery	103%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Wars elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of mouse Tryptophanyl-tRNA synthetase, cytoplasmic concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Tryptophanyl-tRNA synthetase, cytoplasmic. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Tryptophanyl-tRNA synthetase, cytoplasmic and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Tryptophanyl-tRNA synthetase, cytoplasmic, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Tryptophanyl-tRNA synthetase, cytoplasmic in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	256818806
NCBI GeneID	22375
NCBI Accession #	NP_001157786.1
NCBI GenBank Nucleotide #	NM_001164314.1
UniProt Accession #	P32921; Q80ZY4; Q99J58; Q9DC65
Molecular Weight	53,641 Da
NCBI Official Full Name	tryptophan--tRNA ligase, cytoplasmic isoform 2
NCBI Official Synonym Full Names	tryptophanyl-tRNA synthetase
NCBI Official Symbol	Wars
NCBI Official Synonym Symbols	WRS; TrpRS
NCBI Protein Information	tryptophan--tRNA ligase, cytoplasmic
UniProt Protein Name	Tryptophan--tRNA ligase, cytoplasmic
UniProt Gene Name	Wars
UniProt Synonym Gene Names	Wrs; TrpRS
UniProt Entry Name	SYWC_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.