

Human Isoleucyl tRNA Synthetase (IARS) ELISA Kit | IARS elisa kit

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CATALOG #
AAA68039

REACTIVITY
Human

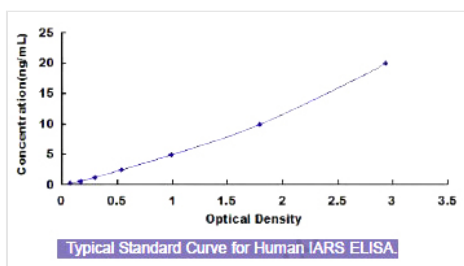
PRODUCT SYNONYMS

Isoleucyl tRNA Synthetase (IARS); Human Isoleucyl tRNA Synthetase (IARS) ELISA Kit; IARS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of IARS. No significant cross-reactivity or interference between IARS and analogues was observed.
Sequence Length	1,262
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.108ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level IARS 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 IARS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IARS elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of IARS in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to IARS. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to IARS. 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 IARS, 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 IARS 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 #	94721241
NCBI GeneID	3376
NCBI Accession #	NP_002152.2
NCBI GenBank Nucleotide #	NM_002161.5
UniProt Accession #	P41252; Q5TCD0; Q7Z3T4; Q9H588; A8KAE9
Molecular Weight	144,498 Da
NCBI Official Full Name	isoleucine--tRNA ligase, cytoplasmic
NCBI Official Synonym Full Names	isoleucyl-tRNA synthetase
NCBI Official Symbol	IARS
NCBI Official Synonym Symbols	IRS; ILRS; IARS1; ILERS; GRIDHH; PRO0785
NCBI Protein Information	isoleucine--tRNA ligase, cytoplasmic
UniProt Protein Name	Isoleucine--tRNA ligase, cytoplasmic
UniProt Gene Name	IARS
UniProt Synonym Gene Names	IRS; IleRS

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/human-elisa-kits/isoleucyl-trna-synthetase-iars/68039>