

Human Asparaginyl-tRNA Synthetase, Cytoplasmic (NARS) ELISA Kit | NARS elisa kit

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CATALOG #
AAA331540

REACTIVITY
Human

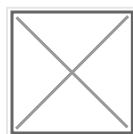
PRODUCT SYNONYMS

Asparaginyl-tRNA Synthetase; Cytoplasmic (NARS); Human Asparaginyl-tRNA Synthetase; Cytoplasmic (NARS) ELISA Kit; NARS; ASNRS; NARS1; asparagine tRNA ligase 1; cytoplasmic; NARS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Asparaginyl-tRNA synthetase, cytoplasmic (NARS) ELISA Kit has high sensitivity and excellent specificity for detection of Human NARS. No significant cross-reactivity or interference between Human NARS and analogues was observed.
Sequence Length	548
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Asparaginyl-tRNA synthetase, cytoplasmic (NARS) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for NARS elisa kit	Description: This Human Asparaginyl-tRNA synthetase, cytoplasmic (NARS) ELISA Kit employs a two-site sandwich ELISA to quantitate NARS in samples. An antibody specific for NARS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NARS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NARS is added to the wells. After washing, Streptavidin 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 NARS bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. Asparaginyl-tRNA synthetase is localized to the cytoplasm and belongs to the class II family of tRNA synthetases. The N-terminal domain represents the signature sequence for the eukaryotic asparaginyl-tRNA synthetases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3915059
NCBI GeneID	4677
UniProt Accession #	O43776
NCBI Official Full Name	Asparagine--tRNA ligase, cytoplasmic
NCBI Official Synonym Full Names	asparaginyl-tRNA synthetase
NCBI Official Symbol	NARS
NCBI Official Synonym Symbols	ASNRS; NARS1
NCBI Protein Information	asparagine--tRNA ligase, cytoplasmic
UniProt Protein Name	Asparagine--tRNA ligase, cytoplasmic
UniProt Gene Name	NARS
UniProt Synonym Gene Names	AsnRS
UniProt Entry Name	SYNC_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/asparaginyl-trna-synthetase-cytoplasmic-nars/331540>