

Human Anti-Glycyl tRNA Synthetase Antibody (Anti-GARS) ELISA Kit | GARS elisa kit

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CATALOG #
AAA189626

REACTIVITY
Human

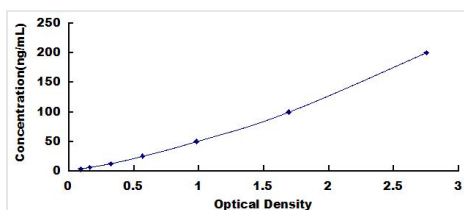
PRODUCT SYNONYMS

Anti-Glycyl tRNA Synthetase Antibody (Anti-GARS); Human Anti-Glycyl tRNA Synthetase Antibody (Anti-GARS) ELISA Kit; CMT2D; CMT2-D; DSMAV; GlyRS; SMAD1; EJ; Charcot-Marie-Tooth Neuropathy 2D; Glycine tRNA Ligase; Diadenosine tetraphosphate synthetase; AP-4-A synthetase; GARS/Glycyl tRNA Synthetase; GARS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-GARS. No significant cross-reactivity or interference between Anti-GARS and analogues was observed.
Samples	Human serum, plasma and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	< 1.33ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-GARS 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 Anti-GARS 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GARS elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with GARS. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-GARS 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 Anti-GARS in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is an enzyme immunoassay for in vitro quantitative measurement of Anti-GARS in human serum, plasma and other biological fluids.
Product Categories/Family for GARS elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	116805340
NCBI GeneID	2617
NCBI Accession #	NP_002038.2
NCBI GenBank Nucleotide #	NM_002047.2
UniProt Accession #	P41250; Q969Y1; B3KQA2; B4DIA0
Molecular Weight	83,166 Da
NCBI Official Full Name	glycine--tRNA ligase
NCBI Official Synonym Full Names	glycyl-tRNA synthetase
NCBI Official Symbol	GARS
NCBI Official Synonym Symbols	HMN5; CMT2D; DSMAV; GlyRS; SMAD1
NCBI Protein Information	glycine--tRNA ligase; AP-4-A synthetase; Charcot-Marie-Tooth neuropathy 2D; Charcot-Marie-Tooth neuropathy, neuronal type, D; diadenosine tetraphosphate synthetase; glycine tRNA ligase
UniProt Protein Name	Glycine--tRNA ligase
UniProt Gene Name	GARS
UniProt Synonym Gene Names	AP-4-A synthetase; GlyRS
UniProt Entry Name	SYG_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/anti-glycyl-trna-synthetase-antibody-anti-gars/189626>