

Human Glycyl tRNA Synthetase ELISA Kit | GARS elisa kit

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CATALOG #
AAA102521

REACTIVITY
Human

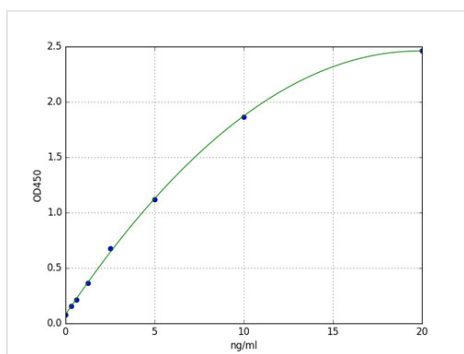
PRODUCT SYNONYMS

Glycyl tRNA Synthetase; Human Glycyl tRNA Synthetase ELISA Kit; GARS/GlyRS/AP-4-A synthetase/Diadenosine tetraphosphate synthetase/Glycine--tRNA ligase; GARS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	739
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a Human GARS ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.022	0.091	0.164	0.279	0.529	0.913	1.277	1.938

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GARS elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human GARS antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human GARS antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human GARS amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human GARS can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1311463
NCBI GeneID	2617
Molecular Weight	83,166 Da
NCBI Official Full Name	glycyl tRNA synthetase
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
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gars-human-elisa-kits/glycyl-trna-synthetase/102521>