

Rat Glycogen [starch] synthase ELISA Kit | GYS2 elisa kit

Rat Glycogen [starch] synthase, liver (GYS2) ELISA Kit

CATALOG # AAA55809	REACTIVITY Rat
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PRODUCT SYNONYMS

Glycogen [starch] synthase; Rat Glycogen [starch] synthase; liver (GYS2) ELISA Kit; Glycogen synthase 2; GYS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat GYS2. No significant cross-reactivity or interference between Rat GYS2 and analogues was observed.
Sequence Length	673
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	3.12 ng/mL - 200 ng/mL
Sensitivity	1.04 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for GYS2 elisa kit	Intended Uses: For the quantitative detection of Rat Glycogen [starch] synthase, liver (GYS2) concentration in serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate ALP in Rat serum, plasma, tissue homogenates. An antibody specific for GYS2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any GYS2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for GYS2 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 GYS2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	218512064
NCBI GeneID	25623
UniProt Accession #	P17625; Q99MF8
Molecular Weight	80,734 Da

NCBI Official Full Name	Glycogen
NCBI Official Synonym Full Names	glycogen synthase 2
NCBI Official Symbol	Gys2
NCBI Official Synonym Symbols	GLYSN
NCBI Protein Information	glycogen [starch] synthase, liver
UniProt Protein Name	Glycogen [starch] synthase, liver
UniProt Gene Name	Gys2

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://www.aaabiotech.com/gys2-rat-elisa-kits/glycogen-starch-synthase/55809>