

Human Glycogen debranching enzyme ELISA Kit | AGL elisa kit

Human Glycogen debranching enzyme (AGL) ELISA Kit

CATALOG #
AAA55471

REACTIVITY
Human

PRODUCT SYNONYMS

Glycogen debranching enzyme; Human Glycogen debranching enzyme (AGL) ELISA Kit; AGL elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human AGL. No significant cross-reactivity or interference between Human AGL and analogues was observed.
Sequence Length	711
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	31.25 pg/mL - 2000 pg/mL
Sensitivity	15.6 pg/mL (mean of 6 independent assays)
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 AGL elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate AGL in Human serum, plasma. An antibody specific for AGL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AGL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AGL 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 AGL bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Human Glycogen debranching enzyme (AGL) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116734847
NCBI GeneID	178
NCBI Accession #	NP_000019.2
NCBI GenBank Nucleotide #	NM_000028.2
UniProt Accession #	P35573; P78354; P78544; Q59H92; Q6AZ90; Q9UF08; A6NCX7; A6NEK2; D3DT51

Molecular Weight	172,696 Da
NCBI Official Full Name	glycogen debranching enzyme isoform 1
NCBI Official Synonym Full Names	amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase
NCBI Official Symbol	AGL
NCBI Official Synonym Symbols	GDE
NCBI Protein Information	glycogen debranching enzyme
UniProt Protein Name	Glycogen debranching enzyme
UniProt Gene Name	AGL
UniProt Synonym Gene Names	GDE; Amylo-1,6-glucosidase

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/agl-human-elisa-kits/glycogen-debranching-enzyme/55471>