

Human Galactose-1-Phosphate Uridyltransferase (GALT) ELISA Kit | GALT elisa kit

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CATALOG #
AAA14049

REACTIVITY
Human

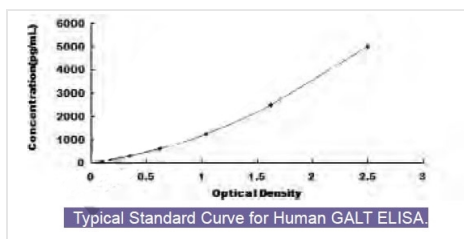
PRODUCT SYNONYMS

Galactose-1-Phosphate Uridyltransferase (GALT); Human Galactose-1-Phosphate Uridyltransferase (GALT) ELISA Kit; UDP-glucose--hexose-1-phosphate uridyltransferase; GALT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GALT. No significant cross-reactivity or interference between GALT and analogues was observed.
Sequence Length	379
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates or other biological fluids
Detection Range	78.1-5000pg/mL
Sensitivity	< 34.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GALT 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 GALT were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GALT elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GALT. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GALT. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GALT, biotin-conjugated antibody and enzyme-conjugated Avidin 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 GALT in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of GALT in human tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	22165416
NCBI GeneID	2592
NCBI Accession #	NP_000146.2
NCBI GenBank Nucleotide #	NM_000155.3
UniProt Accession #	P07902; Q14355; Q14356; Q14357; Q14358; Q14359; Q14360; Q14361; Q14363; Q14364; B4E097; E7ET32
Molecular Weight	31,107 Da
NCBI Official Full Name	galactose-1-phosphate uridylyltransferase isoform 1
NCBI Official Synonym Full Names	galactose-1-phosphate uridylyltransferase
NCBI Official Symbol	GALT
NCBI Protein Information	galactose-1-phosphate uridylyltransferase
UniProt Protein Name	Galactose-1-phosphate uridylyltransferase
UniProt Gene Name	GALT
UniProt Synonym Gene Names	Gal-1-P uridylyltransferase

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/galactose-1-phosphate-uridylyltransferase-galt/14049>