

Mouse UDP Glucose Ceramide Glucosyltransferase (UGCG) ELISA Kit | UGCG elisa kit

Mouse UDP Glucose Ceramide Glucosyltransferase (UGCG) ELISA Kit

CATALOG #
AAA138064

REACTIVITY
Mouse

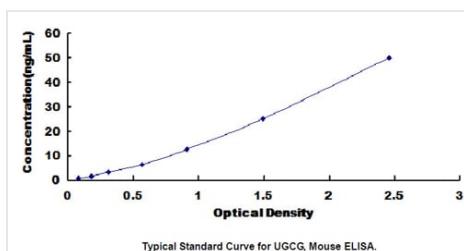
PRODUCT SYNONYMS

UDP Glucose Ceramide Glucosyltransferase (UGCG); Mouse UDP Glucose Ceramide Glucosyltransferase (UGCG) ELISA Kit; UGCG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of UGCG. No significant cross-reactivity or interference between UGCG and analogues was observed.
Sequence Length	394
Samples	Mouse tissue homogenates and other biological fluids
Detection Range	0.78 -50ng/mL
Sensitivity	The minimum detectable dose of mouse UGCG is typically less than 0.28ng/mL. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined by adding two standard deviations to the mean optical density value of twenty zero standard replicates and calculating the corresponding concentration.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level UGCG 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 UGCG were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Intended Uses	The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of UGCG in mouse tissue homogenates and other biological fluids.
Preparation and Storage	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 UGCG elisa kit	Principle of the assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to UGCG. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to UGCG. 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 UGCG, 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 UGCG in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	24270822
NCBI GeneID	7357
UniProt Accession #	Q16739; Q5T258
Molecular Weight	44,854 Da
NCBI Official Full Name	UDP-glucose ceramide glucosyltransferase
NCBI Official Synonym Full Names	UDP-glucose ceramide glucosyltransferase
NCBI Official Symbol	UGCG
NCBI Official Synonym Symbols	GCS; GLCT1
NCBI Protein Information	ceramide glucosyltransferase; GLCT-1; glucosylceramide synthase; UDP-glucose:N-acylsphingosine D-glucosyltransferase
UniProt Protein Name	Ceramide glucosyltransferase
UniProt Gene Name	UGCG
UniProt Synonym Gene Names	GCS
UniProt Entry Name	CEGT_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/mouse-elisa-kits/udp-glucose-ceramide-glucosyltransferase-ugcg/138064>