

Guinea Pig Diacylglycerol transferase ELISA Kit | DGAT elisa kit

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CATALOG #
AAA95661

REACTIVITY
Guinea Pig

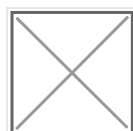
PRODUCT SYNONYMS

Diacylglycerol transferase; Guinea pig Diacylglycerol transferase ELISA Kit; DGAT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of DGT. No significant cross-reactivity or interference between DGT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DGT and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DGAT elisa kit

Intended Uses: This DGT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig DGT. This ELISA kit for research use only!

Principle of the Assay: DGT ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-DGT antibody and an DGT-HRP conjugate. The assay sample and buffer are incubated together with DGT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the DGT concentration since DGT from samples and DGT-HRP conjugate compete for the anti-DGT antibody binding site. Since the number of sites is limited, as more sites are occupied by DGT from the sample, fewer sites are left to bind DGT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DGT concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

158277447

Molecular Weight	35,730 Da
NCBI Official Full Name	diacylglycerol acyl transferase
UniProt Protein Name	Diacylglycerol acyl transferase
UniProt Gene Name	CGLD24
UniProt Synonym Gene Names	CHLREDRAFT_190539
UniProt Entry Name	A8IXB2_CHLRE

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/dgat-guinea-pig-pig-elisa-kits/diacylglycerol-transferase/95661>