

Sheep UDP-glucuronosyltransferase ELISA Kit | UDPGT elisa kit

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CATALOG #
AAA96557

REACTIVITY
Sheep

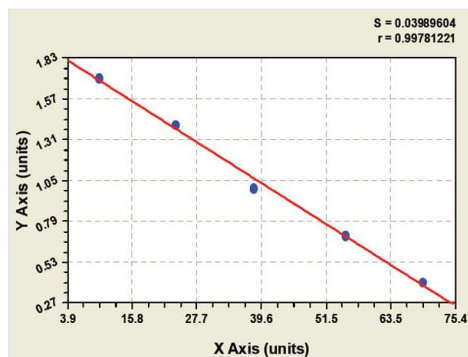
PRODUCT SYNONYMS

UDP-glucuronosyltransferase; Sheep UDP-glucuronosyltransferase ELISA Kit; UDPGT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This UDPGT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep UDPGT. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UDPGT elisa kit	Principle of the Assay: UDPGT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-UDPGT antibody and an UDPGT-HRP conjugate. The assay sample and buffer are incubated together with UDPGT-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 UDPGT concentration since UDPGT from samples and UDPGT-HRP conjugate compete for the anti-UDPGT antibody binding site. Since the number of sites is limited, as more sites are occupied by UDPGT from the sample, fewer sites are left to bind UDPGT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The UDPGT concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	340141
NCBI GeneID	54578
Molecular Weight	50,528 Da
NCBI Official Full Name	UDP-glucuronosyltransferase, partial
NCBI Official Synonym Full Names	UDP glucuronosyltransferase 1 family, polypeptide A6
NCBI Official Symbol	UGT1A6
NCBI Official Synonym Symbols	GNT1; UGT1; HLUGP; UDPGT; UGT1F; HLUGP1; UGT1A6S; UDPGT 1-6
NCBI Protein Information	UDP-glucuronosyltransferase 1-6; UGT-1F; UGT1*6; UGT1-06; UDP-glucuronosyltransferase 1-F; UDP-glucuronosyltransferase 1A6; phenol-metabolizing UDP-glucuronosyltransferase; UDP glycosyltransferase 1 family, polypeptide A6; UDP-glucuronosyltransferase 1 family polypeptide A6s
UniProt Protein Name	UDP-glucuronosyltransferase 1-6
UniProt Gene Name	UGT1A6
UniProt Synonym Gene Names	GNT1; UGT1; UDPGT 1-6; UGT1*6; UGT1-06; UGT1.6; UGT-1F; UGT1F
UniProt Entry Name	UD16_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.