

Rat UDP-glucuronosyltransferase ELISA Kit | UDPGT elisa kit

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CATALOG #
AAA17116

REACTIVITY
Rat

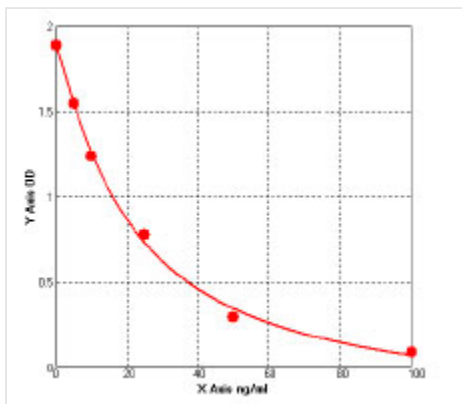
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of UGT. No significant cross-reactivity or interference between UGT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between UGT 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 UDPGT elisa kit	Intended Uses: This UGT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat UGT. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: UGT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-UGT antibody and an UGT-HRP conjugate. The assay sample and buffer are incubated together with UGT-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 UGT concentration since UGT from samples and UGT-HRP conjugate compete for the anti-UGT antibody binding site. Since the number of sites is limited, as more sites are occupied by UGT from the sample, fewer sites are left to bind UGT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The UGT 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/udpgt-rat-elisa-kits/udp-glucuronosyltransferase/17116>