

Rat UDP glucuronosyltransferase 1 family, polypeptide A1 ELISA Kit | UGT1A1 elisa kit

Rat UDP-glucumno-syltransferase 1, UGT1 ELISA Kit

CATALOG #
AAA79784

REACTIVITY
Rat

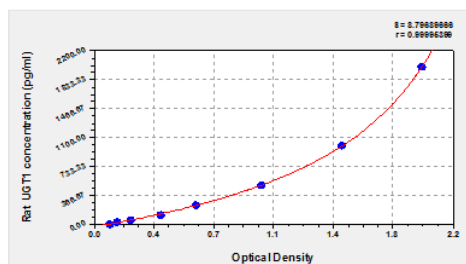
PRODUCT SYNONYMS

UDP glucuronosyltransferase 1 family; polypeptide A1; Rat UDP-glucumno-syltransferase 1; UGT1 ELISA Kit; Rat UDP-glucumno-syltransferase 1 (UGT1) ELISA Kit; GNT1; HUG-BR1; UDPGT; UGT1; UGT1A; UDP glucuronosyltransferase 1A1; UDP glycosyltransferase 1 family; bilirubin UDP-glucuronosyltransferase 1-1; bilirubin UDP-glucuronosyltransferase is; UGT1A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat UGT1. No significant cross-reactivity or interference between rat UGT1 and analogues was observed.
Sequence Length	535
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	31.2 pg/ml -2000 pg/ml.
Sensitivity	The minimum detectable dose of rat UGT1 is typically less than 7.8 pg/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 the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UGT1A1 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for UGT1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any UGT1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UGT1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of UGT1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28849913
NCBI GeneID	24861
NCBI Accession #	NP_036815.1
NCBI GenBank Nucleotide #	NM_012683.2
UniProt Accession #	Q64550; Q64635
Molecular Weight	59,663 Da
NCBI Official Full Name	UDP-glucuronosyltransferase 1-1
NCBI Official Synonym Full Names	UDP glucuronosyltransferase 1 family, polypeptide A1
NCBI Official Symbol	Ugt1a1
NCBI Official Synonym Symbols	Ugt1; Udpgt; UDPGT 1-1
NCBI Protein Information	UDP-glucuronosyltransferase 1-1; B1; UGT1*1; UGT1-01; UDP-glucuronosyltransferase 1A1; UDP-glucuronosyltransferase 1 family member 1; UDP glycosyltransferase 1 family, polypeptide A1
UniProt Protein Name	UDP-glucuronosyltransferase 1-1
UniProt Gene Name	Ugt1a1
UniProt Synonym Gene Names	Ugt1; UDPGT 1-1; UGT1*1; UGT1-01; UGT1.1
UniProt Entry Name	UD11_RAT

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/ugt1a1-rat-elisa-kits/udp-glucuronosyltransferase-1-family-polypeptide-a1/79784>