Rat UDP Glucuronosyltransferase 1 Family, Polypeptide A1 (UGT1A1) ELISA Kit | UGT1A1 elisa kit

Rat UDP Glucuronosyltransferase 1 Family, Polypeptide A1 (UGT1A1) ELISA Kit

CATALOG #	REACTIVITY
AAA187204	**Rat**

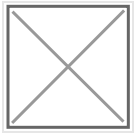
PRODUCT SYNONYMS

UDP Glucuronosyltransferase 1 Family; Polypeptide A1 (UGT1A1); Rat UDP Glucuronosyltransferase 1 Family; Polypeptide A1 (UGT1A1) ELISA Kit; UGT1; GNT1; UGT1A; UDPGT; HUG-BR1; UGT1-1; Bilirubin-specific UDPGT isozyme 1; UDP-glucuronosyltransferase 1-1; UGT1A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of UDP Glucuronosyltransferase 1 Family, Polypeptide A1 (UGT1A1). No significant cross-reactivity or interference between UDP Glucuronosyltransferase 1 Family, Polypeptide A1 (UGT1A1) and analogues was observed.
Sequence Length	444
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.61ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level UDP Glucuronosyltransferase 1 Family, Polypeptide A1 (UGT1A1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level UDP Glucuronosyltransferase 1 Family, Polypeptide A1 (UGT1A1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
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 UGT1A1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to UDP Glucuronosyltransferase 1 Family, Polypeptide A1 (UGT1A1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to UDP Glucuronosyltransferase 1 Family, Polypeptide A1 (UGT1A1). 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 UDP Glucuronosyltransferase 1 Family, Polypeptide A1 (UGT1A1), 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 UDP Glucuronosyltransferase 1 Family, Polypeptide A1 (UGT1A1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	118763983
NCBI GeneID	54658
UniProt Accession #	P22309; A6NJC3; B8K286
Molecular Weight	49,368 Da
NCBI Official Full Name	UDP glucuronosyltransferase 1 family, polypeptide A1
NCBI Official Synonym Full Names	UDP glucuronosyltransferase family 1 member A1
NCBI Official Symbol	UGT1A1
NCBI Official Synonym Symbols	GNT1; UGT1; UDPGT; UGT1A; HUG-BR1; BILIQTL1; UDPGT 1-1
NCBI Protein Information	UDP-glucuronosyltransferase 1-1
UniProt Protein Name	UDP-glucuronosyltransferase 1-1
UniProt Gene Name	**UGT1A1**
UniProt Synonym Gene Names	GNT1; UGT1; UDPGT 1-1; UGT1*1; UGT1-01; UGT1.1; hUG-BR1; UGT-1A; UGT1A

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/rat-elisa-kits/udp-glucuronosyltransferase-1-family-polypeptide-a1-ugt1a1/187204