

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

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CATALOG #
AAA272548

REACTIVITY
Human

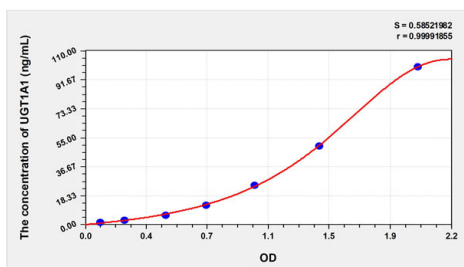
PRODUCT SYNONYMS

UGT1A1 (UDP Glucuronosyltransferase 1 Family; Polypeptide A1); Human UGT1A1 (UDP Glucuronosyltransferase 1 Family; Polypeptide A1) 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human UGT1A1. No significant cross-reactivity or interference between Human UGT1A1 and analogues was observed.
Assay Type	Sandwich
Detection Range	1.57-100 ng/mL
Sensitivity	0.59 ng/mL
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 intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
Preparation and Storage	Store at 2-8 degree C. Stable for 6 months from date of receipt.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UGT1A1 elisa kit	Principle of the Assay: 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 added to the appropriate microtiter plate wells then 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 OD of the samples to the standard curve.
Product Categories/Family for UGT1A1 elisa kit	Enzyme & Kinase

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/human-elisa-kits/ugt1a1-udp-glucuronosyltransferase-1-family-polypeptide-a1/272548>