

Human Uroporphyrinogen Decarboxylase (UROD) ELISA Kit | UROD elisa kit

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CATALOG #
AAA68750

REACTIVITY
Human

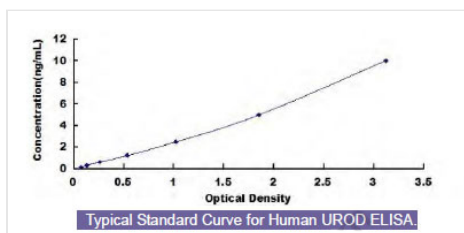
PRODUCT SYNONYMS

Uroporphyrinogen Decarboxylase (UROD); Human Uroporphyrinogen Decarboxylase (UROD) ELISA Kit; PCT; Uroporphyrinogen III Decarboxylase; UROD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of UROD. No significant cross-reactivity or interference between UROD and analogues was observed.
Sequence Length	367
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.062ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level UROD were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level UROD were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UROD elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of UROD in human tissue homogenates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to UROD. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to UROD. 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 UROD, 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 UROD in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	71051616
NCBI GeneID	7389
NCBI Accession #	NP_000365.3
NCBI GenBank Nucleotide #	NM_000374.4
UniProt Accession #	P06132; Q16863; Q16883; Q53YB8; Q53ZP6; Q6IB28; Q9BUZ0; A8K762
Molecular Weight	40,787 Da
NCBI Official Full Name	uroporphyrinogen decarboxylase
NCBI Official Synonym Full Names	uroporphyrinogen decarboxylase
NCBI Official Symbol	UROD
NCBI Official Synonym Symbols	PCT; UPD
NCBI Protein Information	uroporphyrinogen decarboxylase
UniProt Protein Name	Uroporphyrinogen decarboxylase
UniProt Gene Name	UROD
UniProt Synonym Gene Names	UPD; URO-D

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/uroporphyrinogen-decarboxylase-urod/68750>