

Human Xanthine Dehydrogenase (XDH) CLIA Kit | XDH clia kit

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CATALOG #
AAA130582

REACTIVITY
Human

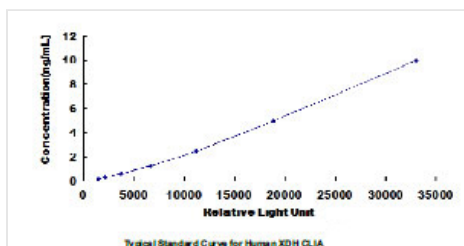
PRODUCT SYNONYMS

Xanthine Dehydrogenase (XDH); Human Xanthine Dehydrogenase (XDH) CLIA Kit; XO; XOR; XOD; Xanthine Oxidase; NAD⁺-Xanthine Dehydrogenase; Xanthine-NAD⁺ Oxidoreductase; Xanthine/NAD⁺ Oxidoreductase; Xanthine Oxidoreductase; XDH clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Xanthine Dehydrogenase (XDH). No significant cross-reactivity or interference between Xanthine Dehydrogenase (XDH) and analogues was observed.
Sequence Length	1347
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	4.9pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Xanthine Dehydrogenase (XDH) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Xanthine Dehydrogenase (XDH) 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 XDH clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Xanthine Dehydrogenase (XDH). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Xanthine Dehydrogenase (XDH). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Xanthine Dehydrogenase (XDH) level in the sample or standard.;
Product Categories/Family for XDH clia kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	525343617
NCBI GeneID	101454827
NCBI Accession #	NP_001266357.1
NCBI GenBank Nucleotide #	NM_001279428.1
NCBI Official Full Name	xanthine dehydrogenase
NCBI Official Symbol	Xdh
NCBI Protein Information	xanthine dehydrogenase

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-clia-kits/xanthine-dehydrogenase-xdh/130582>