

Human xanthine dehydrogenase ELISA Kit | XDH elisa kit

Human Xanthine Oxidase, XOD ELISA Kit

CATALOG #
AAA79755

REACTIVITY
Human

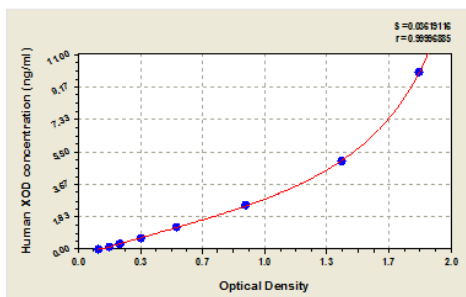
PRODUCT SYNONYMS

xanthine dehydrogenase; Human Xanthine Oxidase; XOD ELISA Kit; Human Xanthine Oxidase (XOD) ELISA Kit; XO; XOR; xanthene dehydrogenase; xanthine oxidase; xanthine oxidoreductase; XDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human XDH. No significant cross-reactivity or interference between Human XDH and analogues was observed.
Sequence Length	1333
Samples	Serum, plasma, urine, tissue homogenates
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	0.039 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
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 XDH elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to XOD. Standards or samples are then added to the appropriate microtiter plate wells with a biotin conjugated antibody preparation specific for XOD and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain XOD, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of XOD in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	91823271
NCBI GeneID	7498
NCBI Accession #	NP_000370.2
NCBI GenBank Nucleotide #	NM_000379.3
UniProt Accession #	P47989; Q16681; Q16712; Q4PJ16
Molecular Weight	146,424 Da
NCBI Official Full Name	xanthine dehydrogenase/oxidase
NCBI Official Synonym Full Names	xanthine dehydrogenase
NCBI Official Symbol	XDH
NCBI Official Synonym Symbols	XO; XOR
NCBI Protein Information	xanthine dehydrogenase/oxidase; xanthine oxidoreductase
UniProt Protein Name	Xanthine dehydrogenase/oxidase
UniProt Gene Name	XDH
UniProt Synonym Gene Names	XDHA; XD; XO; XOR
UniProt Entry Name	XDH_HUMAN

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/xdh-human-elisa-kits/xanthine-dehydrogenase/79755>