

Human Xanthine dehydrogenase/oxidase ELISA Kit | XDH elisa kit

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CATALOG #
AAA194419

REACTIVITY
Human

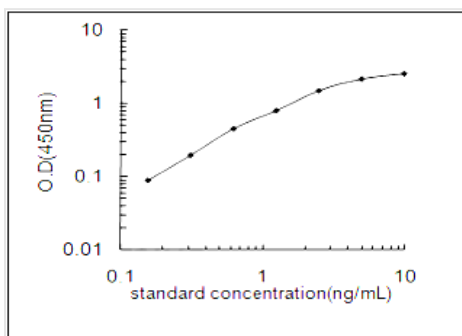
PRODUCT SYNONYMS

Xanthine dehydrogenase/oxidase; Human Xanthine dehydrogenase/oxidase ELISA Kit; XDH; XDHA; XDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay recognizes recombinant and natural human Xanthine dehydrogenase/oxidase. No significant cross-reactivity or interference was observed.
Sequence Length	1333
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.085ng/mL
Intra-Assay CV	<=5.2%
Inter-Assay CV	<=9.3%
Recovery	101%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for XDH elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human Xanthine dehydrogenase/oxidase concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Xanthine dehydrogenase/oxidase. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Xanthine dehydrogenase/oxidase and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Xanthine dehydrogenase/oxidase, 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 Xanthine dehydrogenase/oxidase 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
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.