

Mouse xanthine dehydrogenase ELISA Kit | XDH elisa kit

Mouse Xanthine dehydrogenase/oxidase [Includes: Xanthine dehydrogenase, XDH ELISA Kit]

CATALOG #
AAA112552

REACTIVITY
Mouse

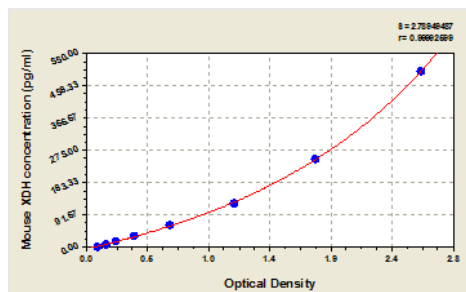
PRODUCT SYNONYMS

xanthine dehydrogenase; Mouse Xanthine dehydrogenase/oxidase [Includes: Xanthine dehydrogenase; XDH ELISA Kit; Mouse Xanthine dehydrogenase/oxidase [Includes: Xanthine dehydrogenase (XDH) ELISA kit; XO; XOR; xanthene dehydrogenase; xanthine oxidase; xanthine oxidoreductase; XDH elisa kit]

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse XDH. No significant cross-reactivity or interference between mouse XDH and analogues was observed.
Sequence Length	1335
Samples	Serum, plasma, tissue homogenates.
Assay Type	Sandwich
Detection Range	7.8 pg/ml -500 pg/ml.
Sensitivity	1.95 pg/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.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for XDH has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any XDH present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for XDH is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of XDH bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	77682555
NCBI GeneID	22436
NCBI Accession #	NP_035853.2
NCBI GenBank Nucleotide #	NM_011723.3
UniProt Accession #	Q00519; E9QLM9
Molecular Weight	146,562 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; Xox1; Xox-1
NCBI Protein Information	xanthine dehydrogenase/oxidase; xanthine oxidase; xanthine oxidoreductase
UniProt Protein Name	Xanthine dehydrogenase/oxidase
UniProt Gene Name	Xdh
UniProt Synonym Gene Names	XD; XO; XOR
UniProt Entry Name	XDH_MOUSE

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-mouse-elisa-kits/xanthine-dehydrogenase/112552>