

Rat xanthine dehydrogenase ELISA Kit | XDH elisa kit

Rat xanthine oxidase, XOD ELISA Kit

CATALOG #
AAA80934

REACTIVITY
Rat

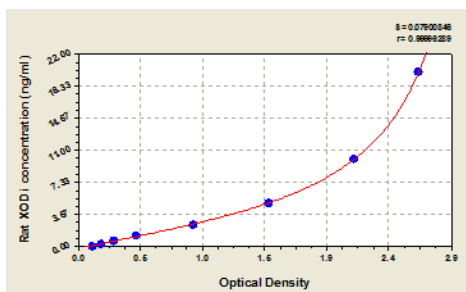
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat XDH. No significant cross-reactivity or interference between Rat XDH and analogues was observed.
Sequence Length	1331
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	0.078 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 #	8394544
NCBI GeneID	497811
NCBI Accession #	NP_058850.1
NCBI GenBank Nucleotide #	NM_017154.1
UniProt Accession #	P22985; Q63157
Molecular Weight	146,243 Da
NCBI Official Full Name	xanthine dehydrogenase/oxidase
NCBI Official Synonym Full Names	xanthine dehydrogenase
NCBI Official Symbol	Xdh
NCBI Official Synonym Symbols	XOR
NCBI Protein Information	xanthine dehydrogenase/oxidase; xanthine oxidoreductase
UniProt Protein Name	Xanthine dehydrogenase/oxidase
UniProt Gene Name	Xdh
UniProt Synonym Gene Names	XD; XO; XOR
UniProt Entry Name	XDH_RAT

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-rat-elisa-kits/xanthine-dehydrogenase/80934>