

Human Xanthine Oxidase ELISA Kit | XDH elisa kit

Human Xanthine Oxidase (XOD) ELISA Kit

CATALOG # AAA55862	REACTIVITY Human
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PRODUCT SYNONYMS

Xanthine Oxidase; Human Xanthine Oxidase (XOD) ELISA Kit; XOD; 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 XOD. No significant cross-reactivity or interference between Human XOD and analogues was observed.
Sequence Length	513
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.156 ng/mL - 10 ng/mL
Sensitivity	0.078 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for XDH elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate XOD in Human serum, plasma. An antibody specific for XOD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any XOD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for XOD is added to the wells. After washing, Streptavidin 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 XOD bound in the initial step. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Human Xanthine Oxidase (XOD) concentration in serum, plasma and other biological fluids.
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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; XAN1
NCBI Protein Information	xanthine dehydrogenase/oxidase
UniProt Protein Name	Xanthine dehydrogenase/oxidase
UniProt Gene Name	XDH
UniProt Synonym Gene Names	XDHA; XO; XOR

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://www.aaabiotech.com/xdh-human-elisa-kits/xanthine-oxidase/55862>