

Human Xanthine dehydrogenase/oxidase ELISA Kit | XDH elisa kit

Human Xanthine dehydrogenase/oxidase ELISA Kit

CATALOG #
AAA101607

REACTIVITY
Human

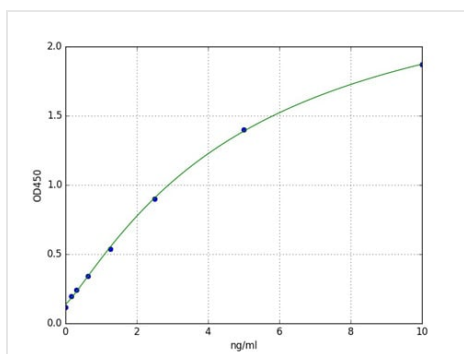
PRODUCT SYNONYMS

Xanthine dehydrogenase/oxidase; Human Xanthine dehydrogenase/oxidase ELISA Kit; XOD (Xanthine Oxidase)/XDH/XDHA/Xanthine dehydrogenase/oxidase; XDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1333
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human XOD ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.040	0.105	0.168	0.347	0.648	1.139	1.652	2.175

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for XDH elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human XOD antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human XOD antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human XOD amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human XOD can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	91823271
NCBI GeneID	7498
NCBI Accession #	NP_000370.2
NCBI GenBank Nucleotide #	NM_000379.3
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/xdh-human-elisa-kits/xanthine-dehydrogenase-oxidase/101607>