

Canine Xanthine dehydrogenase/oxidase [Includes: Xanthine dehydrogenase (XDH) ELISA Kit | XDH elisa kit

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CATALOG #
AAA244719

REACTIVITY
Canine

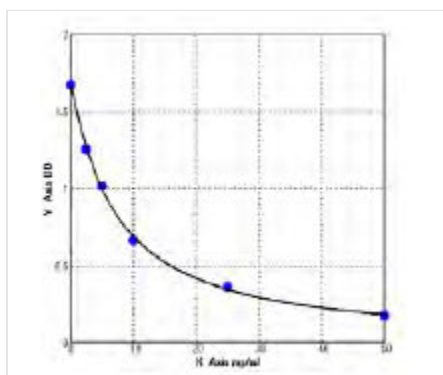
PRODUCT SYNONYMS

Xanthine dehydrogenase/oxidase [Includes: Xanthine dehydrogenase (XDH); Canine Xanthine dehydrogenase/oxidase [Includes: Xanthine dehydrogenase (XDH) ELISA Kit; XDH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for XDH elisa kit

Intended Uses: This XCL1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat XCL1. This ELISA kit for research use only!

Principle of the Assay: XCL1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-XCL1 antibody and an XCL1-HRP conjugate. The assay sample and buffer are incubated together with XCL1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the XCL1 concentration since XCL1 from samples and XCL1-HRP conjugate compete for the anti-XCL1 antibody binding site. Since the number of sites is limited, as more sites are occupied by XCL1 from the sample, fewer sites are left to bind XCL1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The XCL1 concentration in each sample is interpolated from this standard curve.

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; xanthine oxidoreductase
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/canine-elisa-kits/xanthine-dehydrogenase-oxidase-includes-xanthine-dehydrogenase-xdh/244719>