

## Rat Xanthine dehydrogenase ELISA Kit | XDH elisa kit

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CATALOG #  
**AAA246608**

REACTIVITY  
**Rat**

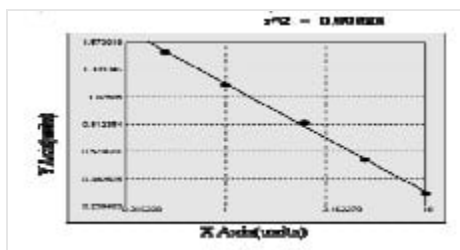
### PRODUCT SYNONYMS

Xanthine dehydrogenase; Rat Xanthine dehydrogenase ELISA Kit; XDH elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Rat                                                                        |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 1.0 pg/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 XDH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat XDH.

**Principle of the Assay:** XDH ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-XDH antibody and an XDH-HRP conjugate. The assay sample and buffer are incubated together with XDH-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 XDH concentration since XDH from samples and XDH-HRP conjugate compete for the anti-XDH antibody binding site. Since the number of sites is limited, as more sites are occupied by XDH from the sample, fewer sites are left to bind XDH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The XDH concentration in each sample is interpolated from this standard curve.

### NCBI AND UNIPROT INFORMATION

|             |           |
|-------------|-----------|
| NCBI GI #   | 525343617 |
| NCBI GeneID | 101454827 |

|                           |                                |
|---------------------------|--------------------------------|
| NCBI Accession #          | <a href="#">NP_001266357.1</a> |
| NCBI GenBank Nucleotide # | <a href="#">NM_001279428.1</a> |
| NCBI Official Full Name   | xanthine dehydrogenase         |
| NCBI Official Symbol      | Xdh                            |
| NCBI Protein Information  | xanthine dehydrogenase         |

**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-rat-elisa-kits/xanthine-dehydrogenase/246608>