

## Xanthine Oxidase (XOD) Assay Kit | XOD assay kit

Xanthine Oxidase (XOD) Activity Fluorometric Assay Kit

CATALOG #  
**AAA177771**

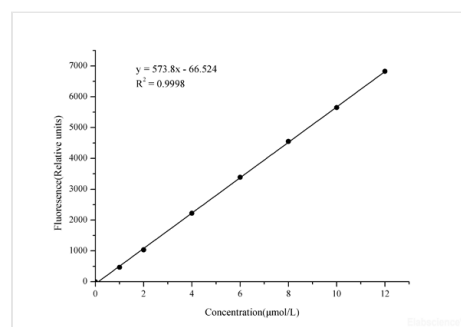
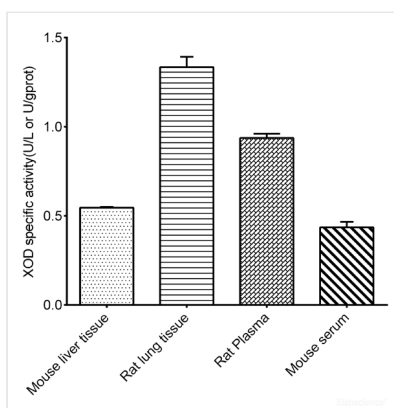
### PRODUCT SYNONYMS

Xanthine Oxidase (XOD); Xanthine Oxidase (XOD) Activity Fluorometric Assay Kit; XOD assay kit

### PRODUCT SPECIFICATIONS

|                         |                                            |
|-------------------------|--------------------------------------------|
| Samples                 | Serum, plasma, and animal tissue samples   |
| Detection Range         | 0.01 -1.2 U/L                              |
| Sensitivity             | 0.01 U/L                                   |
| Preparation and Storage | Store at -20 degree C. Valid for 12 months |

### IMAGES



Standard Curve (Sample)

Application Data

### ADDITIONAL INFORMATION

#### Related Product Information for XOD assay kit

**Intended Uses:** This kit can be used to measure Xanthine Oxidase (XOD) activity in serum, plasma, and animal tissue samples.

**Principle of the Assay:** Hypoxanthine are oxidized by xanthine oxidase (XOD) to produce xanthine and super oxygen anion, which will quickly convert to hydrogen peroxide in the system, and then, in the role of peroxidase, hydrogen peroxide can oxidize the non-fluorescent probe to fluorescent substance. By measuring the fluorescence value, the corresponding the activity of xanthine oxidase can be calculated.

**Background/Introduction:** Xanthine oxidase (XOD) is widely distributed in the tissue and cell cytoplasm of human heart, lung, liver and so on, and the mucosa of small intestine is the most abundant. XOD in serum mainly comes from liver cells. When liver cells are damaged, the content of XOD in serum will increase sharply, which is of great significance for the identification of hepatocellular jaundice and obstructive jaundice. In addition, when XOD is abnormally active in the body, it will lead to the generation and excessive accumulation of a large amount of uric acid, leading to hyperuricemia and gout.

**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/assay-kits/xanthine-oxidase-xod/177771>