

General Oxalate Oxidase Assay Kit

Oxalate Oxidase Microplate Assay Kit

CATALOG # AAA264727	REACTIVITY General	APPLICATIONS Functional Assay
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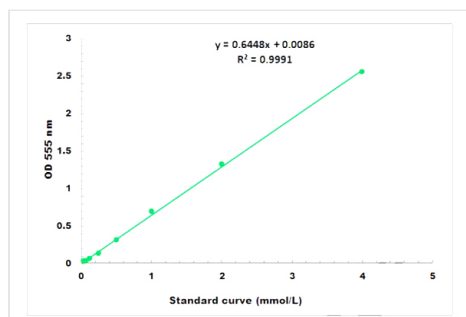
PRODUCT SYNONYMS

Oxalate Oxidase; Oxalate Oxidase Microplate Assay Kit; EC 1.2.3.4; Oxalate Oxidase assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	394
Samples	Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Detection Range	0.04 mmol/L - 4 mmol/L
Applicable Applications for Oxalate Oxidase assay kit	FA (Functional Assay)
CAS Number	9031-79-2
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Oxalate Oxidase assay kit

Background: In enzymology, an oxalate oxidase (EC 1.2.3.4) is an enzyme that catalyzes the chemical reaction $\text{oxalate} + \text{O}_2 + 2 \text{H}^+ \rightarrow 2 \text{CO}_2 + \text{H}_2\text{O}_2$. The 3 substrates of this enzyme are oxalate, O_2 , and H^+ , whereas its two products are CO_2 and H_2O_2 . This enzyme belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with oxygen as acceptor. The systematic name of this enzyme class is oxalate: oxygen oxidoreductase. Other names in common use include aero-oxalo dehydrogenase, and oxalic acid oxidase. This enzyme participates in glyoxylate and dicarboxylate metabolism. It has 2 cofactors: FAD, and Manganese. Oxalate Oxidase Microplate Assay Kit is a sensitive assay for determining Oxalate Oxidase activity in various samples. Oxalate Oxidase activity is determined by the product of H_2O_2 . The increase in absorbance at 555 nm is directly proportional to the enzyme activity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	302684817
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NCBI GenBank Nucleotide #	XP_003032089.1
NCBI Official Full Name	oxalate oxidase

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/general-assay-kits/oxalate-oxidase/264727>