

General Glycolate Oxidase Assay Kit | HAO1 assay kit

Glycolate Oxidase Microplate Assay Kit

CATALOG # AAA27835	REACTIVITY General	APPLICATIONS Functional Assay
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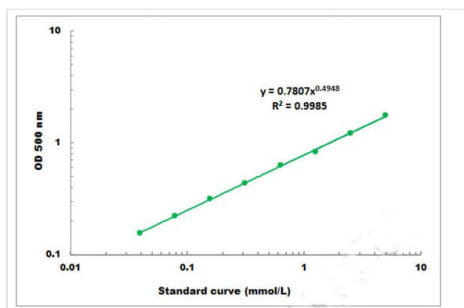
PRODUCT SYNONYMS

Glycolate Oxidase; Glycolate Oxidase Microplate Assay Kit; EC 1.1.3.15; (S)-2-hydroxy-acid oxidase; Glycolate oxidase; Hydroxy-acid oxidase A; Hydroxy-acid oxidase B; HAO1; GOX; GOX1; HAOX1; HAO1 assay kit

PRODUCT SPECIFICATIONS

Reactivity	General
Sequence Length	370
Samples	Tissue extracts, Cell lysate, Cell culture media and Other biological fluids Samples
Detection Range	0.05 mmol/L - 5 mmol/L
Applicable Applications for HAO1 assay kit	FA (Functional Assay)
Preparation and Storage	Shipped and store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HAO1 assay kit

Background: Glycolate oxidase is a member of the superfamily of the α -hydroxy acid oxidases (HAO), enzymes that are present in both plants and animals. It catalyzes the FMN-mediated oxidation of glycolate to glyoxylate and glyoxylate to oxalate with reduction of oxygen to hydrogen peroxide. The assay is initiated with the enzymatic oxidation of the Glycolic acid by Glycolate oxidase. The enzyme catalysed reaction product Glyoxylic acid react with Phenylhydrazine, glyoxylate phenylhydrazone can be measured at a colorimetric readout at 500 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7530485
NCBI GeneID	54363
Molecular Weight	40,924 Da
NCBI Official Full Name	glycolate oxidase

NCBI Official Synonym Full Names	hydroxyacid oxidase 1
NCBI Official Symbol	HAO1
NCBI Official Synonym Symbols	GOX; GOX1; HAOX1
NCBI Protein Information	hydroxyacid oxidase 1
UniProt Protein Name	Hydroxyacid oxidase 1
UniProt Gene Name	HAO1
UniProt Synonym Gene Names	GOX1; HAOX1; HAOX1; GOX
UniProt Entry Name	HAOX1_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.

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Online datasheet: <https://stage.aaabiotech.com/general-assay-kits/glycolate-oxidase/27835>