

Human Hydroxyacid Oxidase 1 (HAO1) ELISA Kit | HAO1 elisa kit

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CATALOG #
AAA189856

REACTIVITY
Human

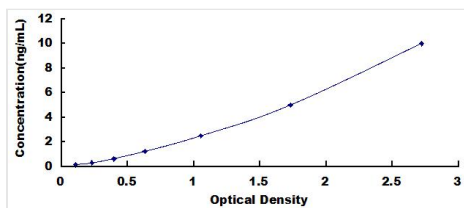
PRODUCT SYNONYMS

Hydroxyacid Oxidase 1 (HAO1); Human Hydroxyacid Oxidase 1 (HAO1) ELISA Kit; GOX; Glycolate Oxidase; HAO1/Hydroxyacid Oxidase 1; HAO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HAO1. No significant cross-reactivity or interference between HAO1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.058ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HAO1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HAO1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HAO1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to HAO1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to HAO1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain HAO1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of HAO1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HAO1 in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for HAO1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	11068137
NCBI GeneID	54363
NCBI Accession #	NP_060015.1
NCBI GenBank Nucleotide #	NM_017545.3
UniProt Accession #	Q9UJM8
NCBI Official Full Name	hydroxyacid oxidase 1
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.