

Human Ornithine Decarboxylase Antizyme 1 (OAZ1) ELISA Kit | OAZ1 elisa kit

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CATALOG #
AAA66008

REACTIVITY
Human

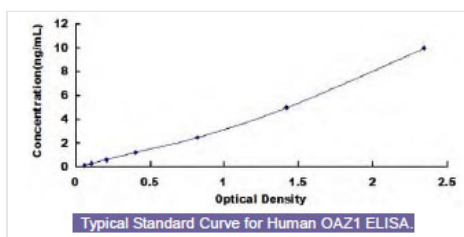
PRODUCT SYNONYMS

Ornithine Decarboxylase Antizyme 1 (OAZ1); Human Ornithine Decarboxylase Antizyme 1 (OAZ1) ELISA Kit; AZI; OAZ; ODC-Az; OAZ1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of OAZ1. No significant cross-reactivity or interference between OAZ1 and analogues was observed.
Sequence Length	228
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
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 OAZ1 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 OAZ1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for OAZ1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of OAZ1 in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to OAZ1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to OAZ1. 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 OAZ1, 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 OAZ1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9845505
NCBI GeneID	4946
NCBI Accession #	NP_004143.1
NCBI GenBank Nucleotide #	NM_004152.3
UniProt Accession #	P54368; O43382; Q14989; Q92595; Q9UPL9
Molecular Weight	25,406 Da
NCBI Official Full Name	ornithine decarboxylase antizyme 1 isoform 1
NCBI Official Synonym Full Names	ornithine decarboxylase antizyme 1
NCBI Official Symbol	OAZ1
NCBI Official Synonym Symbols	AZI; OAZ
NCBI Protein Information	ornithine decarboxylase antizyme 1
UniProt Protein Name	Ornithine decarboxylase antizyme 1
UniProt Gene Name	OAZ1
UniProt Synonym Gene Names	OAZ; ODC-Az

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/human-elisa-kits/ornithine-decarboxylase-antizyme-1-oaz1/66008>