

Mouse Ornithine Decarboxylase (ODC) ELISA Kit | ODC elisa kit

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CATALOG #
AAA64718

REACTIVITY
Mouse

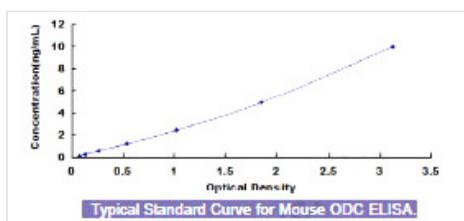
PRODUCT SYNONYMS

Ornithine Decarboxylase (ODC); Mouse Ornithine Decarboxylase (ODC) ELISA Kit; ODC1; ODC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ODC. No significant cross-reactivity or interference between ODC and analogues was observed.
Sequence Length	461
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ODC 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 ODC 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 ODC elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ODC in mouse serum, plasma, 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 ODC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ODC. 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 ODC, 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 ODC 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 #	131888589
NCBI GeneID	18263
NCBI Accession #	NP_038642.2
NCBI GenBank Nucleotide #	NM_013614.2
UniProt Accession #	P00860; Q61997; Q61998; Q6PB87
Molecular Weight	51,177 Da
NCBI Official Full Name	ornithine decarboxylase
NCBI Official Synonym Full Names	ornithine decarboxylase, structural 1
NCBI Official Symbol	Odc1
NCBI Official Synonym Symbols	ODC
NCBI Protein Information	ornithine decarboxylase
UniProt Protein Name	Ornithine decarboxylase
UniProt Gene Name	Odc1
UniProt Synonym Gene Names	Odc; ODC

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/mouse-elisa-kits/ornithine-decarboxylase-odc/64718>