

Human Ornithine decarboxylase ELISA Kit | ODC1 elisa kit

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CATALOG #
AAA100244

REACTIVITY
Human

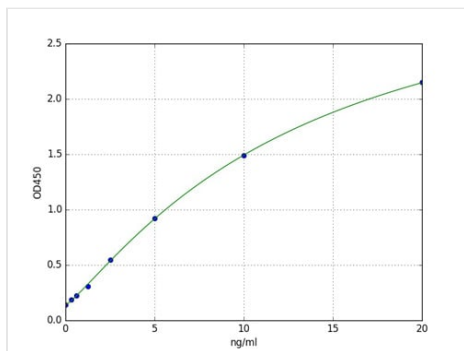
PRODUCT SYNONYMS

Ornithine decarboxylase; Human Ornithine decarboxylase ELISA Kit; ODC/ODC1 (Ornithine decarboxylase); ODC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	461
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a ODC ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.128	0.202	0.245	0.334	0.450	0.701	1.118	2.072

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ODC1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ODC antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-ODC antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the ODC amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ODC can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

689972108

NCBI GeneID	24609
NCBI Accession #	NP_001289012.1
NCBI GenBank Nucleotide #	NM_001302083.1
Molecular Weight	51,047 Da
NCBI Official Full Name	ornithine decarboxylase
NCBI Official Synonym Full Names	ornithine decarboxylase 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
UniProt Entry Name	DCOR_RAT

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/odc1-human-elisa-kits/ornithine-decarboxylase/100244>