

Rat Ornithine Decarboxylase ELISA Kit | ODC elisa kit

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CATALOG #
AAA85669

REACTIVITY
Rat

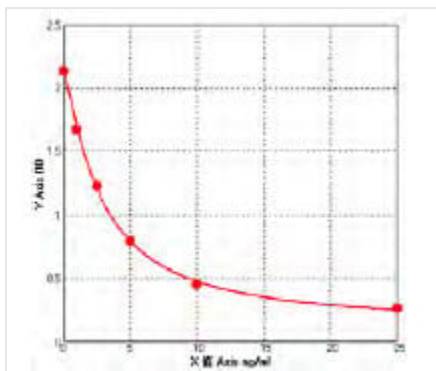
PRODUCT SYNONYMS

Ornithine Decarboxylase; Rat Ornithine Decarboxylase ELISA Kit; ODC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ODC and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ODC elisa kit	Intended Uses: This ODC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ODC. This ELISA kit for research use only! Principle of the Assay: ODC ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ODC antibody and an ODC-HRP conjugate. The assay sample and buffer are incubated together with ODC-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ODC concentration since ODC from samples and ODC-HRP conjugate compete for the anti-ODC antibody binding site. Since the number of sites is limited, as more sites are occupied by ODC from the sample, fewer sites are left to bind ODC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ODC concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	157266175
Molecular Weight	9,779 Da
NCBI Official Full Name	ODC, partial
UniProt Protein Name	ODC
UniProt Gene Name	ODC
UniProt Entry Name	A8BI52_PARBR

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/odc-rat-elisa-kits/ornithine-decarboxylase/85669>