

Rat Citrulline ELISA Kit

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CATALOG #
AAA16211

REACTIVITY
Rat

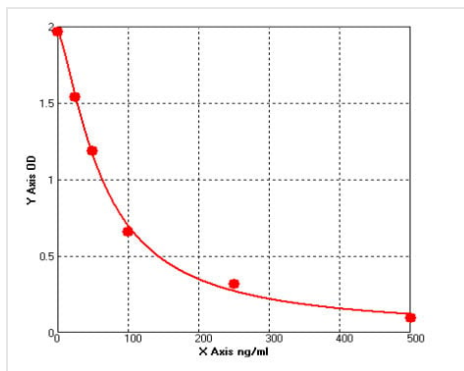
PRODUCT SYNONYMS

Citrulline; Rat Citrulline ELISA Kit; Citrulline elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of CIT. No significant cross-reactivity or interference between CIT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CIT and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Citrulline elisa kit	Principle of the Assay: CIT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CIT antibody and an CIT-HRP conjugate. The assay sample and buffer are incubated together with CIT-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 CIT concentration since CIT from samples and CIT-HRP conjugate compete for the anti-CIT antibody binding site. Since the number of sites is limited, as more sites are occupied by CIT from the sample, fewer sites are left to bind CIT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CIT concentration in each sample is interpolated from this standard curve. Intended Uses: This CIT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CIT. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for Citrulline elisa kit	Epigenetics and Nuclear Signaling

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://www.aaabiotech.com/rat-elisa-kits/citrulline/16211>