

Rat Citrulline ELISA Kit

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CATALOG #
AAA55336REACTIVITY
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 Rat Citrulline. No significant cross-reactivity or interference between Rat Citrulline and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell culture supernates, cell lysates and other biological fluids
Detection Range	0.625 ng/mL - 40 ng/mL
Sensitivity	0.2 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for Citrulline elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate Citrulline in Rat serum, plasma, tissue homogenates, cell culture supernates, cell lysates. An antibody specific for Citrulline has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Citrulline present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Citrulline is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of Citrulline bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Rat Citrulline concentration in serum, plasma, tissue homogenates, cell culture supernates, cell lysates and other biological fluids.

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.