

Rat QA (Quinolinic Acid) ELISA Kit | QA elisa kit

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CATALOG #
AAA277437

REACTIVITY
Rat

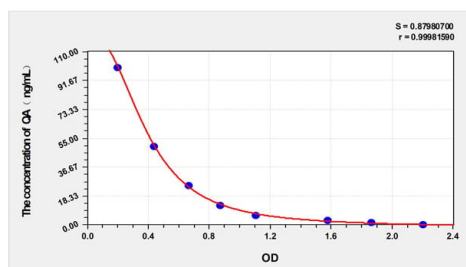
PRODUCT SYNONYMS

QA (Quinolinic Acid); Rat QA (Quinolinic Acid) ELISA Kit; QUIN; Pyridine-2; 3-Dicarboxylic Acid; QA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat QA. No significant cross-reactivity or interference between Rat QA and analogues was observed.
Assay Type	Competitive
Detection Range	1.57-100 ng/mL
Sensitivity	0.55 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV% < 8%. Three samples of known concentration were tested twenty times on 1 plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (precision between assays)? CV% < 10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for QA elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Rat QA protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat QA. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. 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 Rat QA in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for QA elisa kit

Enzyme & Kinase

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.

