

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

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CATALOG #  
**AAA277437**

REACTIVITY  
**Rat**

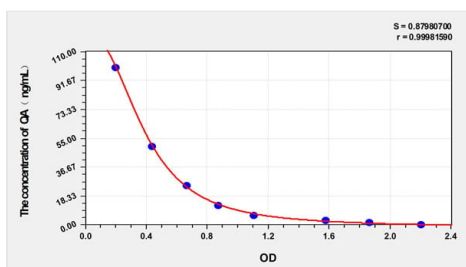
### PRODUCT SYNONYMS

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  $450\text{nm} \pm 10\text{nm}$ . 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 &amp; 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.

