

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

General Quinolinic Acid (QA) Mini Samples ELISA Kit

CATALOG #  
**AAA147425**

REACTIVITY  
**Pan-species (General)**

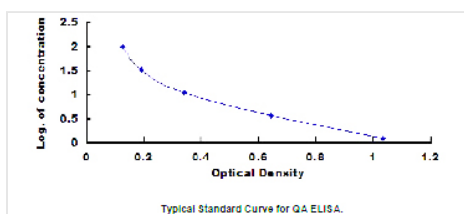
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Pan-species (General)                                                                                                                                                                                  |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of QA. No significant cross-reactivity or interference between QA and analogues was observed.                                  |
| Assay Type            | Competitive Inhibition                                                                                                                                                                                 |
| Samples               | Serum, Plasma and other biological fluids                                                                                                                                                              |
| Detection Range       | 1.23-100ng/mL                                                                                                                                                                                          |
| Sensitivity           | 0.55ng/mL                                                                                                                                                                                              |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level QA were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level QA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for QA elisa kit

**Intended Uses:** The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of QA in serum, plasma and other biological fluids.

**Principle of the Assay:** This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to QA has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled QA and unlabeled QA (Standards or samples) with the pre-coated antibody specific to QA. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of QA in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of QA in the sample.

**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.

