

## General Glutamine ELISA Kit | Gln elisa kit

Glutamine ELISA Kit

CATALOG #  
**AAA56171**

REACTIVITY  
**General**

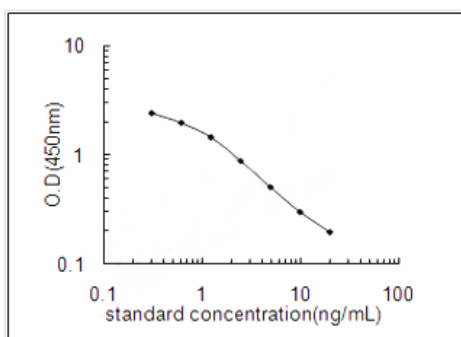
### PRODUCT SYNONYMS

Glutamine; Glutamine ELISA Kit; Gln elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | General                                                                                                                                                                                                                                     |
| Specificity             | This assay recognizes recombinant and natural General Glutamine. No significant cross-reactivity or interference was observed.                                                                                                              |
| Samples                 | Serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.                                                                                                                                                    |
| Assay Type              | Competitive                                                                                                                                                                                                                                 |
| Detection Range         | 0.31-20.0 ng/mL.                                                                                                                                                                                                                            |
| Sensitivity             | The minimum detectable dose of General Glutamine is typically less than 0.2 ng/mL. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. |
| Intended Uses           | This immunoassay kit allows for the in vitro quantitative determination of general Glutamine concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.                                     |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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| Related Product Information for Gln elisa kit | Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Glutamine, During the reaction, Glutamine in the sample or standard competes with a fixed amount of biotin-labeled Glutamine for sites on a pre-coated Monoclonal antibody specific to Glutamine. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Glutamine in the samples is then determined by comparing the O.D. of the samples to the standard curve. |
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**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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