

## Human Gamma Aminobutyric Acid ELISA Kit | GABA elisa kit

Human Gamma Aminobutyric Acid ELISA Kit

CATALOG #  
**AAA88968**

REACTIVITY  
**Human**

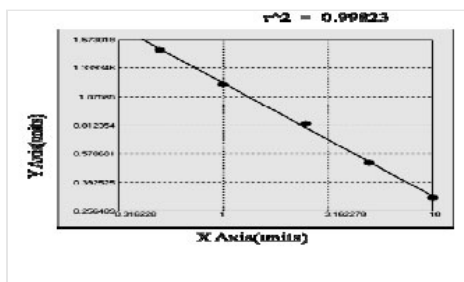
### PRODUCT SYNONYMS

Gamma Aminobutyric Acid; Human Gamma Aminobutyric Acid ELISA Kit; GABA elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 0.5-10nmol/ml                                                              |
| Sensitivity             | 0.1nmol/ml                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for GABA elisa kit

**Intended Uses:** This GABA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GABA. This ELISA kit for research use only!

**Principle of the Assay:** GABA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GABA antibody and an GABA-HRP conjugate. The assay sample and buffer are incubated together with GABA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GABA concentration since GABA from samples and GABA-HRP conjugate compete for the anti-GABA antibody binding site. Since the number of sites is limited, as more sites are occupied by GABA from the sample, fewer sites are left to bind GABA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GABA concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for GABA elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

|                         |                         |
|-------------------------|-------------------------|
| NCBI GI #               | 60654715                |
| NCBI Official Full Name | gamma-aminobutyric acid |

**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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Online datasheet: <https://stage.aaabiotech.com/gaba-human-elisa-kits/gamma-aminobutyric-acid/88968>