

Rat Glutamic Acid ELISA Kit

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CATALOG #
AAA27133

REACTIVITY
Rat

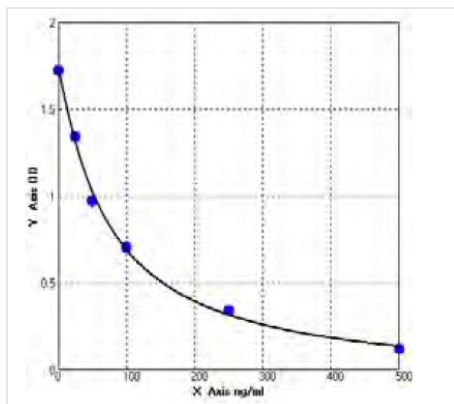
PRODUCT SYNONYMS

Glutamic Acid; Rat Glutamic Acid ELISA Kit; Glutamic Acid elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GA. No significant cross-reactivity or interference between GA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GA and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Glutamic Acid elisa kit	Intended Uses: This GA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GA. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: GA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GA antibody and an GA-HRP conjugate. The assay sample and buffer are incubated together with GA-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 GA concentration since GA from samples and GA-HRP conjugate compete for the anti-GA antibody binding site. Since the number of sites is limited, as more sites are occupied by GA from the sample, fewer sites are left to bind GA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GA concentration in each sample is interpolated from this 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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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/glutamic-acid/27133>