

Rat glutamate ELISA Kit

Rat glutamate ELISA Kit

CATALOG #
AAA17295

REACTIVITY
Rat

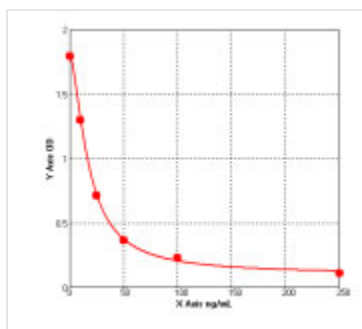
PRODUCT SYNONYMS

glutamate; Rat glutamate ELISA Kit; glutamate elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GLU. No significant cross-reactivity or interference between GLU and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GLU and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 glutamate elisa kit	Principle of the Assay: GLU ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-GLU antibody and an GLU-HRP conjugate. The assay sample and buffer are incubated together with GLU-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 GLU concentration since GLU from samples and GLU-HRP conjugate compete for the anti-GLU antibody binding site. Since the number of sites is limited, as more sites are occupied by GLU from the sample, fewer sites are left to bind GLU-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GLU concentration in each sample is interpolated from this standard curve. Intended Uses: This GLU ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GLU. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	635504999
Molecular Weight	233,881 Da
NCBI Official Full Name	glutamate
UniProt Protein Name	Glutamate
UniProt Entry Name	A0A064ARR1_ASPOZ

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/glutamate/17295>