

Rat Glucose Transporter 1 ELISA Kit | GLUT1 elisa kit

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CATALOG #
AAA82062

REACTIVITY
Rat

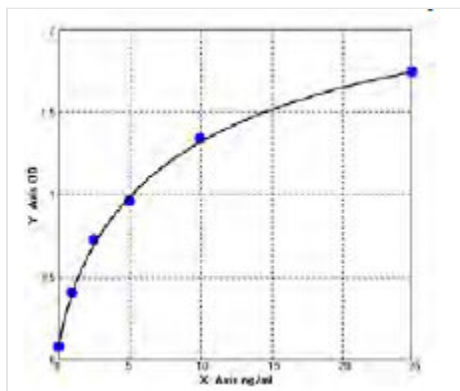
PRODUCT SYNONYMS

Glucose Transporter 1; Rat Glucose Transporter 1 ELISA Kit; GLUT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GLUT-1. No significant cross-reactivity or interference between GLUT-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GLUT-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	87
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLUT1 elisa kit	Intended Uses: This GLUT-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GLUT-1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: GLUT-1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for GLUT-1. Standards or samples are then added to the microtiter plate wells and GLUT-1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of GLUT-1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for GLUT-1 are added to each well to "sandwich" the GLUT-1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain GLUT-1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GLUT-1 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	312593
NCBI GeneID	20525
UniProt Accession #	P17809 ; Q61608 ; Q6GTI3 ; Q3TD17 ; Q3U2J2 ; Q8BTM5
Molecular Weight	53,985 Da
NCBI Official Full Name	Glut-1
NCBI Official Synonym Full Names	solute carrier family 2 (facilitated glucose transporter), member 1
NCBI Official Symbol	Slc2a1
NCBI Official Synonym Symbols	Glut1; Glut-1
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 1; GT1; solute carrier family 2, member 1; glucose transporter type 1, erythrocyte/brain
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 1
UniProt Gene Name	Slc2a1
UniProt Synonym Gene Names	Glut-1; Glut1; GLUT-1; GT1
UniProt Entry Name	GTR1_MOUSE

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/glut1-rat-elisa-kits/glucose-transporter-1/82062>