

Rabbit Glucose Transporter 1 ELISA Kit | GLUT-1 elisa kit

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CATALOG #
AAA83050

REACTIVITY
Rabbit

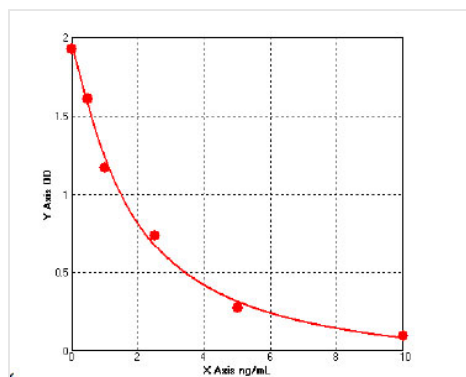
PRODUCT SYNONYMS

Glucose Transporter 1; Rabbit Glucose Transporter 1 ELISA Kit; GLUT-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of GLUT1. No significant cross-reactivity or interference between GLUT1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GLUT1 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	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 GLUT-1 elisa kit	Principle of the Assay: GLUT1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-GLUT1 antibody and an GLUT1-HRP conjugate. The assay sample and buffer are incubated together with GLUT1-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 GLUT1 concentration since GLUT1 from samples and GLUT1-HRP conjugate compete for the anti-GLUT1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GLUT1 from the sample, fewer sites are left to bind GLUT1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GLUT1 concentration in each sample is interpolated from this standard curve. Intended Uses: This GLUT1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit GLUT1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for GLUT-1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	312593
NCBI GeneID	20525
UniProt Accession #	P17809; Q61608; Q6GTI3
Molecular Weight	53,985 Da
NCBI Official Full Name	Glut-1, partial
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/glut-1-rabbit-elisa-kits/glucose-transporter-1/83050>