

Human Glucose Transporter 1 (GLUT1) ELISA Kit | GLUT1 elisa kit

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CATALOG #
AAA16049

REACTIVITY
Human

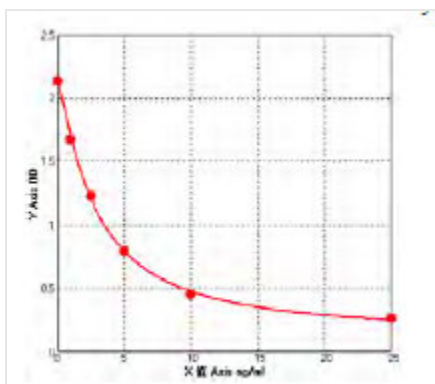
PRODUCT SYNONYMS

Glucose Transporter 1 (GLUT1); Human Glucose Transporter 1 (GLUT1) ELISA Kit; Glucose Transporter 1 ELISA Kit (GLUT1) (Human); GLUT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
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 Human GLUT-1. This ELISA kit for research use only!

Principle of the Assay||GLUT-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GLUT-1 antibody and an GLUT-1-HRP conjugate. The assay sample and buffer are incubated together with GLUT-1-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 GLUT-1 concentration since GLUT-1 from samples and GLUT-1-HRP conjugate compete for the anti-GLUT-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GLUT-1 from the sample, fewer sites are left to bind GLUT-1-HRP conjugate. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	281365413
NCBI GeneID	38109
NCBI Accession #	NP_728558.3
NCBI GenBank Nucleotide #	NM_167846.2
NCBI Official Full Name	glucose transporter 1, isoform G
NCBI Official Synonym Full Names	Glucose transporter 1
NCBI Official Symbol	Glut1
NCBI Official Synonym Symbols	CG1086; DmelCG1086; Dmglut1; DmGLUT1; GLU; glut1; l(3)61Ea; l(3)L1H; l(3)S007412
NCBI Protein Information	CG1086 gene product from transcript CG1086-RG; glucose transporter 1, isoform G; CG1086-PG; Glut1-PG; lethal (3) S007412; glucose transporter 1, isoform D; CG1086-PD; Glut1-PD; glucose transporter 1, isoform F; CG1086-PF; Glut1-PF; glucose transporter 1, isoform E; CG1086-PE; Glut1-PE; glucose transporter 1, isoform B; CG1086-PB; Glut1-PB; glucose transporter 1, isoform C; CG1086-PC; Glut1-PC

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/human-elisa-kits/glucose-transporter-1-glut1/16049>