

Mouse Glucose Transporter 1 ELISA Kit | GLUT1 elisa kit

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CATALOG #
AAA98685

REACTIVITY
Mouse

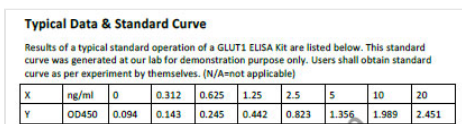
PRODUCT SYNONYMS

Glucose Transporter 1; Mouse Glucose Transporter 1 ELISA Kit; GLUT1 (Glucose Transporter 1)/SLC2A1/Solute carrier family 2; facilitated glucose transporter member 1/Glucose transporter type 1; erythrocyte/brain/GLUT-1/HepG2 glucose transporter/GLUT1/PED/DYT9/GLUT/DYT17/DYT18/EIG12/GLUT1DS; GLUT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of GLUL. No significant cross-reactivity or interference between GLUL and analogues was observed.
Sequence Length	548
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GLUL were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GLUL were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLUT1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-GLUL antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-GLUL antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the GLUL amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of GLUL can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	665409623
NCBI GeneID	38109
NCBI Accession #	NP_001286896.1
NCBI GenBank Nucleotide #	NM_001299967.1
Molecular Weight	16,880 Da
NCBI Official Full Name	glucose transporter 1, isoform Z
NCBI Official Synonym Full Names	Glucose transporter 1
NCBI Official Symbol	Glut1
NCBI Official Synonym Symbols	0074/12; CG1086; CG13908; CG43946; DmelCG43946; Dmglut1; DmGluT1; DmGLUT1; Glt1; GLU; Glu T1; Glut-1; glut1; I(3)61Ea; I(3)L1H; I(3)S007412
NCBI Protein Information	CG43946 gene product from transcript CG43946-RR
UniProt Protein Name	Glucose transporter type 1
UniProt Gene Name	Glut1
UniProt Entry Name	GTR1_DROME

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-mouse-elisa-kits/glucose-transporter-1/98685>