

## Monkey Glucose Transporter 1 ELISA Kit | GLUT-1 elisa kit

Monkey Glucose Transporter 1 ELISA Kit

CATALOG #  
**AAA91897**

REACTIVITY  
**Monkey**

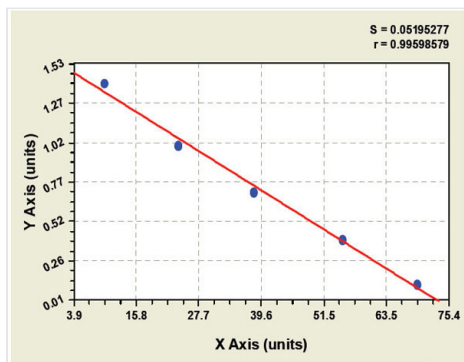
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Monkey                                                                     |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 1.0-25ng/mL                                                                |
| Sensitivity             | 0.1ng/mL                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Related Product Information for GLUT-1 elisa kit | <p><b>For samples:</b> Serum, plasma, cell culture supernatants, body fluid and tissue homogenate</p> <p><b>INTENDED USE</b> This GLUT-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey GLUT-1. This ELISA kit for research use only!</p> <p><b>PRINCIPLE OF THE ASSAY</b> 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.</p> |
| 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.