

Monkey Glucose Transporter 2 ELISA Kit | GLUT2 elisa kit

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CATALOG #
AAA94784

REACTIVITY
Monkey

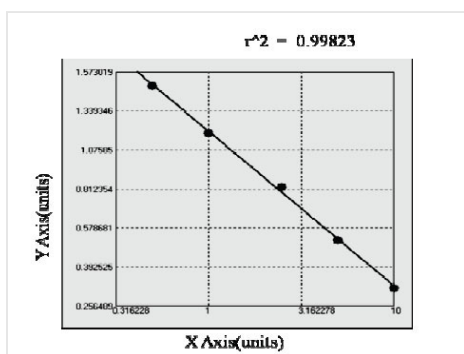
PRODUCT SYNONYMS

Glucose Transporter 2; Monkey Glucose Transporter 2 ELISA Kit; GLUT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
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 GLUT2 elisa kit

Intended Uses: This GLUT2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey GLUT2. This ELISA kit for research use only!

Principle of the Assay: GLUT2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GLUT2 antibody and an GLUT2-HRP conjugate. The assay sample and buffer are incubated together with GLUT2-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 GLUT2 concentration since GLUT2 from samples and GLUT2-HRP conjugate compete for the anti-GLUT2 antibody binding site. Since the number of sites is limited, as more sites are occupied by GLUT2 from the sample, fewer sites are left to bind GLUT2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GLUT2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GLUT2 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	683589
NCBI GeneID	20526
UniProt Accession #	P14246; Q3TNA5; Q9DBA7
Molecular Weight	57,107 Da
NCBI Official Full Name	GLUT2, partial
NCBI Official Synonym Full Names	solute carrier family 2 (facilitated glucose transporter), member 2
NCBI Official Symbol	Slc2a2
NCBI Official Synonym Symbols	Glut2; Glut-2; AI266973
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 2; liver-type glucose transporter; glucose transporter type 2, liver
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 2
UniProt Gene Name	Slc2a2
UniProt Synonym Gene Names	Glut-2; Glut2; GLUT-2
UniProt Entry Name	GTR2_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/glut2-monkey-elisa-kits/glucose-transporter-2/94784>