

Rat Glucose Transporter 2 ELISA Kit | GLUT2 elisa kit

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CATALOG #
AAA86015

REACTIVITY
Rat

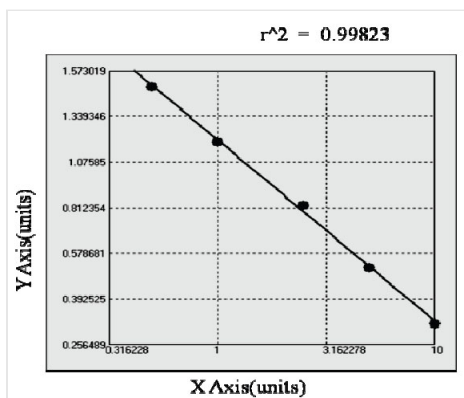
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLUT2 elisa kit

For Samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

Intended Uses: This GLUT2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 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

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.