

Rat GLUT2 ELISA Kit | Glut2 elisa kit

Rat GLUT2 (Glucose Transporter 2)ELISA Kit

CATALOG #
AAA21821

REACTIVITY
Rat

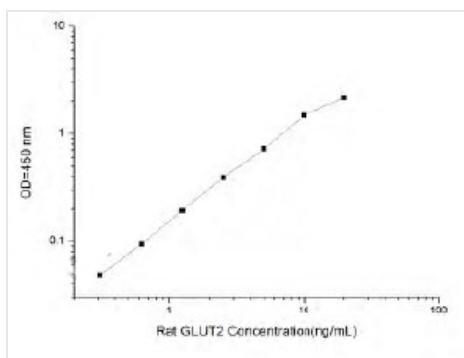
PRODUCT SYNONYMS

GLUT2; Rat GLUT2 (Glucose Transporter 2)ELISA Kit; Glut2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat GLUT2 in samples. No significant cross-reactivity or interference between Rat GLUT2 and analogues was observed.
Sequence Length	5
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.31-20ng/mL
Sensitivity	0.19ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat GLUT2 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat GLUT2 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Glut2 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat GLUT2 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat GLUT2. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat GLUT2 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat GLUT2, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat GLUT2. You can calculate the concentration of Rat GLUT2 in the samples by comparing the OD of the samples to the standard curve.
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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; glucose transporter type 2, liver; liver-type glucose transporter
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.