

Rat Glucose Transporter 2 (GLUT2) ELISA Kit | GLUT2 elisa kit

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CATALOG #
AAA68562

REACTIVITY
Rat

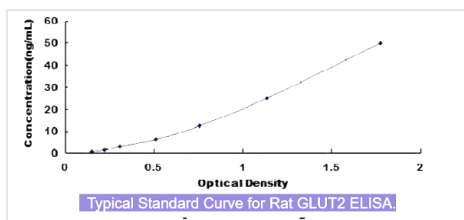
PRODUCT SYNONYMS

Glucose Transporter 2 (GLUT2); Rat Glucose Transporter 2 (GLUT2) ELISA Kit; SLC2A2; SLC2-A2; Solute carrier family 2; facilitated glucose transporter member 2; Glucose transporter type 2; liver; GLUT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GLUT2. No significant cross-reactivity or interference between GLUT2 and analogues was observed.
Sequence Length	522
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates or other biological fluids
Detection Range	0.78-50ng/mL
Sensitivity	< 0.33ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GLUT2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GLUT2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLUT2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GLUT2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GLUT2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GLUT2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of GLUT2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of GLUT2 in rat tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	121758
NCBI GeneID	25351
UniProt Accession #	P12336; Q6LE98
Molecular Weight	57,086 Da
NCBI Official Full Name	Solute carrier family 2, facilitated glucose transporter member 2
NCBI Official Synonym Full Names	solute carrier family 2 member 2
NCBI Official Symbol	Slc2a2
NCBI Official Synonym Symbols	GTT2; Glut2
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 2
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

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.