

Mouse Glucose Transporter 2 (GLUT2) ELISA Kit | Slc2a2 elisa kit

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CATALOG #
AAA219794

REACTIVITY
Mouse

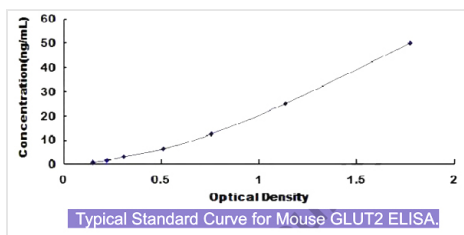
PRODUCT SYNONYMS

Glucose Transporter 2 (GLUT2); Mouse Glucose Transporter 2 (GLUT2) ELISA Kit; SLC2A2; SLC2-A2; Solute carrier family 2; facilitated glucose transporter member 2; Glucose transporter type 2; liver; Slc2a2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates or other biological fluids
Detection Range	0.781-50ng/mL
Sensitivity	< 0.311ng/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%
Preparation and Storage	Shelf Life: 12 months

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Slc2a2 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 mouse serum, plasma, tissue homogenates or other biological fluids.
Product Categories/Family for Slc2a2 elisa kit	Traditional ELISA Kit

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
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.