

Rat Glucose Transporter 3 ELISA Kit | GLUT3 elisa kit

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CATALOG #
AAA100457

REACTIVITY
Rat

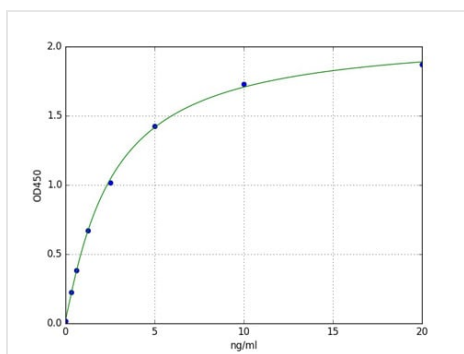
PRODUCT SYNONYMS

Glucose Transporter 3; Rat Glucose Transporter 3 ELISA Kit; GLUT3/Slc2a3/Glut-3/Glut3/Solute carrier family 2; facilitated glucose transporter member 3/Glucose transporter type 3; brain/GLUT-3; GLUT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	496
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat GLUT3 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.025	0.097	0.193	0.281	0.478	0.893	1.396	2.034

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLUT3 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat GLUT3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat GLUT3 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat GLUT3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat GLUT3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8927560
NCBI GeneID	6515
Molecular Weight	53,924 Da
NCBI Official Full Name	glucose transporter 3
NCBI Official Synonym Full Names	solute carrier family 2 member 3
NCBI Official Symbol	SLC2A3
NCBI Official Synonym Symbols	GLUT3
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 3
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 3
UniProt Gene Name	SLC2A3
UniProt Synonym Gene Names	GLUT3; GLUT-3
UniProt Entry Name	GTR3_HUMAN

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/glut3-rat-elisa-kits/glucose-transporter-3/100457>