

Rat Glucose transporter 3 ELISA Kit | GLUT3 elisa kit

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CATALOG #
AAA83347

REACTIVITY
Rat

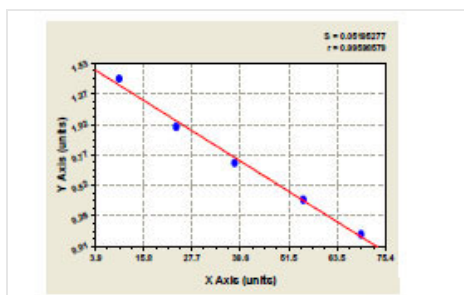
PRODUCT SYNONYMS

Glucose transporter 3; Rat Glucose transporter 3 ELISA Kit; Glucose transporter 3 (Rat); GLUT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



ADDITIONAL INFORMATION

Related Product Information for GLUT3 elisa kit

Intended Uses: This GLUT3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat GLUT3. This ELISA kit for research use only!

Principle of the Assay: GLUT3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-GLUT3 antibody and an GLUT3-HRP conjugate. The assay sample and buffer are incubated together with GLUT3-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 GLUT3 concentration since GLUT3 from samples and GLUT3-HRP conjugate compete for the anti-GLUT3 antibody binding site. Since the number of sites is limited, as more sites are occupied by GLUT3 from the sample, fewer sites are left to bind GLUT3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GLUT3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GLUT3 elisa kit

[Rat ELISA Kit](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5902090
NCBI GeneID	6515
NCBI Accession #	NP_008862
NCBI GenBank Nucleotide #	NM_006931.2
UniProt Accession #	P11169; Q6I9U2; Q9UG15; B2R606; D3DUU6
Molecular Weight	53,924 Da
NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 3
NCBI Official Synonym Full Names	solute carrier family 2 (facilitated glucose transporter), member 3
NCBI Official Symbol	SLC2A3
NCBI Official Synonym Symbols	GLUT3
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 3; GLUT-3; glucose transporter type 3, brain
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-3/83347>