

Bovine Glucose Transporter 3 ELISA Kit | GLUT3 elisa kit

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CATALOG #
AAA93576

REACTIVITY
Bovine

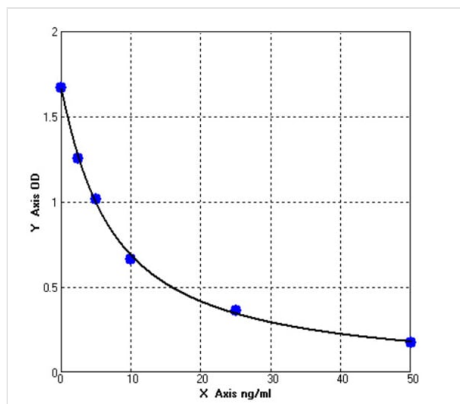
PRODUCT SYNONYMS

Glucose Transporter 3; Bovine Glucose Transporter 3 ELISA Kit; GLUT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of GLUT-3. No significant cross-reactivity or interference between GLUT-3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between GLUT-3 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLUT3 elisa kit	Principle of the Assay: GLUT-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-GLUT-3 antibody and an GLUT-3-HRP conjugate. The assay sample and buffer are incubated together with GLUT-3-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 GLUT-3 concentration since GLUT-3 from samples and GLUT-3-HRP conjugate compete for the anti-GLUT-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by GLUT-3 from the sample, fewer sites are left to bind GLUT-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GLUT-3 concentration in each sample is interpolated from this standard curve. Intended Uses: This GLUT-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine GLUT-3. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for GLUT3 elisa kit	Signal Transduction

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 (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.