

Bovine Glucose Transporter 1 ELISA Kit | GLUT-1 elisa kit

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CATALOG #
AAA90408

REACTIVITY
Bovine

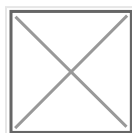
PRODUCT SYNONYMS

Glucose Transporter 1; Bovine Glucose Transporter 1 ELISA Kit; GLUT-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Sensitivity	1.0 ng/mL.
Intended Uses	This GLUT-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine GLUT-1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLUT-1 elisa kit

Principle of the Assay: GLUT-1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for GLUT-1. Standards or samples are then added to the microtiter plate wells and GLUT-1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of GLUT-1 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for GLUT-1 are added to each well to "sandwich" the GLUT-1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain GLUT-1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GLUT-1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GLUT-1 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	312593
NCBI GeneID	20525

UniProt Accession #	P17809 ; Q61608 ; Q6GTI3
Molecular Weight	53,985 Da
NCBI Official Full Name	Glut-1, partial
NCBI Official Synonym Full Names	solute carrier family 2 (facilitated glucose transporter), member 1
NCBI Official Symbol	Slc2a1
NCBI Official Synonym Symbols	Glut1; Glut-1
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 1; GT1; solute carrier family 2, member 1; glucose transporter type 1, erythrocyte/brain
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 1
UniProt Gene Name	Slc2a1
UniProt Synonym Gene Names	Glut-1; Glut1; GLUT-1; GT1
UniProt Entry Name	GTR1_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.

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Online datasheet: <https://stage.aaabiotech.com/glut-1-bovine-ovine-elisa-kits/glucose-transporter-1/90408>