

Sheep Glucose Transporter 4 ELISA Kit | GLUT4 elisa kit

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CATALOG #
AAA90456

REACTIVITY
Sheep

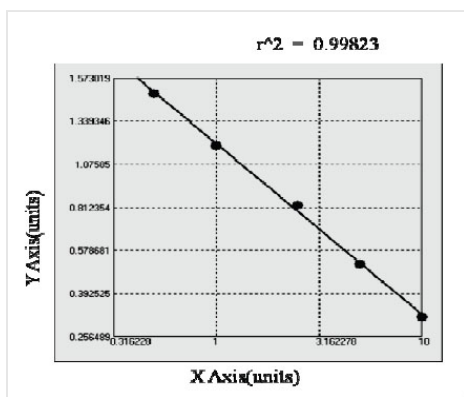
PRODUCT SYNONYMS

Glucose Transporter 4; Sheep Glucose Transporter 4 ELISA Kit; GLUT4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This GLUT4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep GLUT4. 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 GLUT4 elisa kit

Principle of the Assay: GLUT4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GLUT4 antibody and an GLUT4-HRP conjugate. The assay sample and buffer are incubated together with GLUT4-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 GLUT4 concentration since GLUT4 from samples and GLUT4-HRP conjugate compete for the anti-GLUT4 antibody binding site. Since the number of sites is limited, as more sites are occupied by GLUT4 from the sample, fewer sites are left to bind GLUT4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GLUT4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	61661420
Molecular Weight	20,643 Da
NCBI Official Full Name	glut4, partial
UniProt Protein Name	Glut4
UniProt Entry Name	Q58HK0_SHEEP

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/glut4-sheep-elisa-kits/glucose-transporter-4/90456>