

GLUT1 elisa kit

GLUT1 Colorimetric Cell-Based ELISA Kit

CATALOG # AAA315538	REACTIVITY Human, Mouse, Rat
-------------------------------	--

PRODUCT SYNONYMS

GLUT1; GLUT1 Colorimetric Cell-Based ELISA Kit; Solute carrier family 2 facilitated glucose transporter member 1; Glucose transporter type 1 erythrocyte/brain; GLUT-1; HepG2 glucose transporter; SLC2A1; GLUT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Form/Format	One 96-Well Plate
Sequence Length	492
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for GLUT1 elisa kit	Background/Introduction: The Colorimetric Cell-Based ELISA Kit allows for the detection of various target proteins and the effects that certain stimulation conditions have on target protein expression in different cell lines. Qualitative determination of target protein concentration is achieved by an indirect ELISA format. In essence, the target protein is captured by target-specific primary (1 degree) antibodies while the HRP-conjugated secondary (2 degree) antibodies bind the Fc region of the 1 degree antibody. Through this binding, the HRP enzyme conjugated to the 2 degree antibody can catalyze a colorimetric reaction upon substrate addition. Due to the qualitative nature of the Cell-Based ELISA, multiple normalization methods are described: 1) a monoclonal antibody specific for human GAPDH is included to serve as an internal positive control in normalizing the target absorbance values. 2) Following the colorimetric measurement of HRP activity via substrate addition, the Crystal Violet whole-cell staining method is used to determine cell density. After staining, the results can be analyzed by normalizing the absorbance values to cell amounts, by which the plating difference can be adjusted. 3) If a phosphorylated target is being detected, an antibody against the non-phosphorylated counterpart will be provided for normalization purposes. The absorbance values obtained for the non-phosphorylated target can be used to normalize the absorbance values for the phosphorylated target. The eIF2alpha Cell-Based ELISA Kit is a convenient, lysate-free, high throughput and sensitive assay kit that can monitor eIF2alpha protein expression profile in cells. The kit can be used for measuring the relative amounts of eIF2alpha in cultured cells as well as screening for the effects that various treatments, inhibitors (ie. siRNA or chemicals), or activators have on eIF2alpha.
Product Categories/Family for GLUT1 elisa kit	Cell Based ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	166795299
NCBI GeneID	6513
NCBI Accession #	NP_006507.2
NCBI GenBank Nucleotide #	NM_006516.2
UniProt Accession #	P11166; O75535; Q147X2; A8K9S6; B2R620; D3DPX0
Molecular Weight	54084

NCBI Official Full Name	solute carrier family 2, facilitated glucose transporter member 1
NCBI Official Synonym Full Names	solute carrier family 2 member 1
NCBI Official Symbol	SLC2A1
NCBI Official Synonym Symbols	CSE; PED; DYT9; GLUT; DYT17; DYT18; EIG12; GLUT1; HTLVR; GLUT-1; SDCHCN; GLUT1DS
NCBI Protein Information	solute carrier family 2, facilitated glucose transporter member 1
UniProt Protein Name	Solute carrier family 2, facilitated glucose transporter member 1
UniProt Gene Name	SLC2A1
UniProt Synonym Gene Names	GLUT1; GLUT-1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-mouse-rat-elisa-kits/glut1/315538>