

Rat Glucagon Like Peptide 1 Receptor ELISA Kit | GLP1R elisa kit

Rat Glucagon Like Peptide 1 Receptor (GLP1R) ELISA Kit

CATALOG #
AAA144600

REACTIVITY
Rat

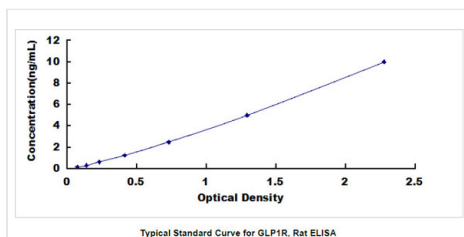
PRODUCT SYNONYMS

Glucagon Like Peptide 1 Receptor; Rat Glucagon Like Peptide 1 Receptor (GLP1R) ELISA Kit; GLP1R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Glucagon Like Peptide 1 Receptor (GLP1R). No significant cross-reactivity or interference between Glucagon Like Peptide 1 Receptor (GLP1R) and analogues was observed.
Sequence Length	463
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Glucagon Like Peptide 1 Receptor (GLP1R) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Glucagon Like Peptide 1 Receptor (GLP1R) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GLP1R elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Glucagon Like Peptide 1 Receptor (GLP1R). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Glucagon Like Peptide 1 Receptor (GLP1R). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Glucagon Like Peptide 1 Receptor (GLP1R), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Glucagon Like Peptide 1 Receptor (GLP1R) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GLP1R elisa kit	Endocrinology

NCBI AND UNIPROT INFORMATION

NCBI GI #	166795283
NCBI GeneID	2740
NCBI Accession #	NP_002053.3
NCBI GenBank Nucleotide #	NM_002062.3
Molecular Weight	53,026 Da
NCBI Official Full Name	glucagon-like peptide 1 receptor
NCBI Official Synonym Full Names	glucagon like peptide 1 receptor
NCBI Official Symbol	GLP1R
NCBI Protein Information	glucagon-like peptide 1 receptor
UniProt Protein Name	Glucagon-like peptide 1 receptor
UniProt Gene Name	GLP1R
UniProt Synonym Gene Names	GLP-1 receptor; GLP-1-R; GLP-1R
UniProt Entry Name	GLP1R_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/glp1r-rat-elisa-kits/glucagon-like-peptide-1-receptor/144600>