

Rat Glucagon Like Peptide 1 (GLP1) ELISA Kit | GLP1 elisa kit

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CATALOG #
AAA189645

REACTIVITY
Rat

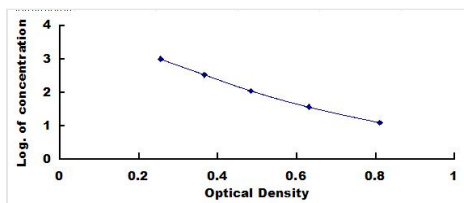
PRODUCT SYNONYMS

Glucagon Like Peptide 1 (GLP1); Rat Glucagon Like Peptide 1 (GLP1) ELISA Kit; GLP1/Glucagon Like Peptide 1; GLP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of GLP1. No significant cross-reactivity or interference between GLP1 and analogues was observed.
Assay Type	Quantitative Competitive
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	12.35-1,000pg/mL
Sensitivity	< 4.94pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GLP1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GLP1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months 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 GLP1 elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to GLP1 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled GLP1 and unlabeled GLP1 (Standards or samples) with the pre-coated antibody specific to GLP1. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of GLP1 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of GLP1 in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of GLP1 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for GLP1 elisa kit	Endocrinology; Cardiovascular biology; Hepatology; Hormone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	6978882
NCBI GeneID	24952
NCBI Accession #	NP_036839.1
NCBI GenBank Nucleotide #	NM_012707.1
UniProt Accession #	P06883
Molecular Weight	20,846 Da
NCBI Official Full Name	glucagon
NCBI Official Synonym Full Names	glucagon
NCBI Official Symbol	Gcg
NCBI Official Synonym Symbols	GLP-1
NCBI Protein Information	glucagon; glucagon-like peptide-1
UniProt Protein Name	Glucagon
UniProt Gene Name	Gcg
UniProt Entry Name	GLUC_RAT

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/rat-elisa-kits/glucagon-like-peptide-1-glp1/189645>