

Rat glucagon-like peptide-1, GLP-1 ELISA Kit | Glp1 elisa kit

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CATALOG #
AAA80678

REACTIVITY
Rat

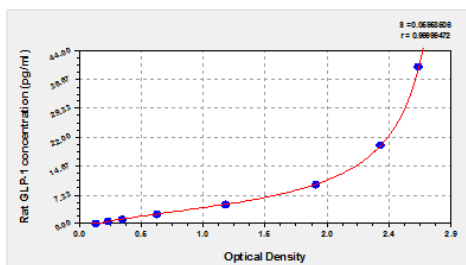
PRODUCT SYNONYMS

glucagon-like peptide-1; GLP-1; Rat glucagon-like peptide-1; GLP-1 ELISA Kit; Glp1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	88
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Detection Range	0.625 pg/ml-40 pg/ml
Sensitivity	0.156 pg/ml
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Glp1 elisa kit	Introduction: Glucagon-like peptide-1 (GLP-1) is derived from the transcription product of the proglucagon gene. The major source of GLP-1 in the body is the intestinal L cell that secretes GLP-1 as a gut hormone. The biologically active forms of GLP-1 are: GLP-1-(7-37) and GLP-1-(7-36)NH2. GLP-1 secretion by L cells is dependent on the presence of nutrients in the lumen of the small intestine. The secretagogues (agents that cause or stimulate secretion) of this hormone include major nutrients like carbohydrate, protein and lipid. Once in the circulation, GLP-1 has a half life of less than 2 minutes, due to rapid degradation by the enzyme dipeptidyl peptidase-4. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GLP-1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for GLP-1 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5, 5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain GLP-1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of GLP-1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20069294
UniProt Accession #	G5EBZ0
Molecular Weight	9,793 Da
NCBI Official Full Name	GLP-1, partial
UniProt Protein Name	GLP-1
UniProt Entry Name	G5EBZ0_CAEEL

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/glp1-rat-elisa-kits/glucagon-like-peptide-1-glp-1/80678>