



Mouse glucagon-like peptide-1, GLP-1 ELISA Kit

Product Code	CSB-E08118m
Abbreviation	GLP-1
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates.
Detection Range	125 pg/ml-8000 pg/ml.
Sensitivity	31.25 pg/ml
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Metabolism
Quality Control	<p>A microplate reader capable of measuring absorbance at 450 nm, with the correction wavelength set at 540 nm or 570 nm.</p> <p>An incubator can provide stable incubation conditions up to 37°C±5°C.</p> <p>Centrifuge</p> <p>Vortex</p> <p>Squirt bottle, manifold dispenser, or automated microplate washer</p> <p>Absorbent paper for blotting the microtiter plate</p> <p>50-300ul multi-channel micropipette</p> <p>Pipette tips</p> <p>Single-channel micropipette with different ranges</p> <p>100ml and 500ml graduated cylinders</p> <p>Deionized or distilled water</p> <p>Timer</p> <p>Test tubes for dilution</p>
Gene Names	Gcg
Tag Info	quantitative
Protein Description	Sandwich
Component	<p>A micro ELISA plate ---The 96-well plate has been pre-coated with an anti-mouse GLP-1 antibody. This dismountable microplate can be divided into 12 x 8 strip plates.</p> <p>Two vials lyophilized standard ---Dilute a bottle of the standard at dilution series, read the OD values, and then draw a standard curve.</p> <p>One vial Biotin-labeled GLP-1 antibody (100 x concentrate) (120 µl/bottle) ---Act as the detection antibody.</p> <p>One vial HRP-avidin (100 x concentrate) (120 µl/bottle) ---Bind to the detection</p>



antibody and react with the TMB substrate to make the solution chromogenic.
One vial Biotin-antibody Diluent (15 ml/bottle) ---Dilute the Biotin-antibody.
One vial HRP-avidin Diluent (15 ml/bottle) ---Dilute the HRP-avidin solution.
One vial Sample Diluent (50 ml/bottle)---Dilute the sample to an appropriate concentration.
One vial Wash Buffer (25 x concentrate) (20 ml/bottle) ---Wash away unbound or free substances.
One vial TMB Substrate (10 ml/bottle) ---Act as the chromogenic agent. TMB interacts with HRP, eliciting the solution turns blue.
One vial Stop Solution (10 ml/bottle) ---Stop the color reaction. The solution color immediately turns from blue to yellow.
Four Adhesive Strips (For 96 wells) --- Cover the microplate when incubation.
An instruction manual

Description

The Mouse glucagon-like peptide-1 (GLP-1) ELISA Kit is an enzyme-linked immunosorbent assay for the quantitative detection of mouse GLP-1 in many biological fluids, including serum, plasma, or tissue homogenates. GLP-1 is a gut-derived peptide secreted from intestinal L-cells following a meal. The action of GLP-1 is through the binding of a specific GLP-1 receptor, which is expressed in various tissues, including pancreatic beta cells, pancreatic ducts, and gastric mucosa. GLP-1 exerts its main effect by enhancing glucose-dependent insulin production. GLP-1 has also been demonstrated to delay gastric emptying, suppress inappropriate post-meal glucagon release, and increase satiety.

This assay employs the Sandwich-ELISA technique, in which GLP-1 in the samples or standards is sandwiched between pre-coated an anti-mouse GLP-1 and Biotin-labeled GLP-1 antibody. The Ag-Ab-Ag immune complex is labeled with HRP-avidin and then develops a color reaction after the addition of the TMB substrate. The intensity of the color is positively correlated to the amount of GLP-1 in the sample. The kit has a detection range of 62.5 ng/mL-4000 ng/mL, excellent sensitivity, high specificity, good linearity, precision low than 10%, high recovery, good lot-to-lot consistency. Get access to more details from the product instructions.

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