

Mouse Glucagon Like Peptide 1 (GLP1) ELISA Kit-Competitive

Cat. No.: EK6F757

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Mouse Glucagon Like Peptide 1 (GLP1) ELISA Kit-Competitive is designed for the quantitative determination of Mouse GLP1 in serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids using a Competitive ELISA method. For research use only.

Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for Mouse Glucagon Like Peptide 1 (GLP1).
Target Species	Mouse
Species Reactivity	Mouse
Detection Range	15.7-1000 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell lysate, and other biological fluids.

Target Information

Glucagon-like peptide 1 (GLP-1) is an incretin hormone produced by intestinal L cells, primarily functioning through the activation of the GLP-1 receptor (GLP-1R). In mice, GLP-1 serves various physiological roles, such as regulating blood sugar, safeguarding neurons, exerting anti-inflammatory effects, and enhancing cardiovascular and renal function. It stabilizes blood sugar by increasing insulin secretion from pancreatic β cells and inhibiting glucagon release. Research indicates that GLP-1 can significantly lower blood sugar levels in mice and enhance insulin sensitivity, which is especially critical in diabetic models. Moreover, GLP-1 slows gastric emptying and decreases food intake, aiding in the control of body weight and blood sugar levels. It is also expressed in the central nervous system, where it protects neurons from oxidative stress and apoptosis by activating GLP-1R.

Target/Biomarker	Mouse GLP1
Target Synonym	Glucagon Like Peptide 1

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.