bsm-0933M **[Primary Antibody]**

GLP-1(1G9) Mouse mAb

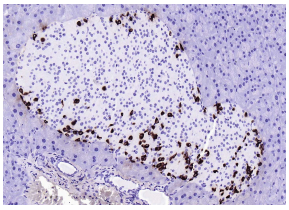
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

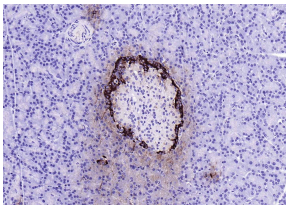
Host: Mouse
Isotype: IgG
Clonality: Monoclonal
CloneNo.: 1G9
GeneID: 2641
SWISS: P01275
Target: GLP-1(1G9)
Immunogen: KLH conjugated synthetic peptide derived from human GLP-1: 1-31/31.
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background: Glucagon plays a key role in glucose metabolism and homeostasis. Regulates blood glucose by increasing gluconeogenesis and decreasing glycolysis. A counterregulatory hormone of insulin, raises plasma glucose levels in response to insulin-induced hypoglycemia. Plays an important role in initiating and maintaining hyperglycemic conditions in diabetes.

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Reactivity: Human, Mouse, Rat
Predicted MW.: 21 kDa
Subcellular Location: Secreted

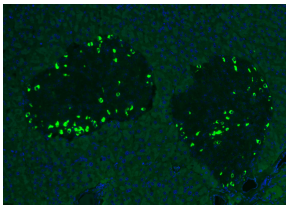
VALIDATION IMAGES



Paraformaldehyde-fixed, paraffin embedded (Rat pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GLP-1(1G9)) Monoclonal Antibody, Unconjugated (_bsm-0933M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GLP-1(1G9)) Monoclonal Antibody, Unconjugated (_bsm-0933M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GLP-1(1G9)) Monoclonal Antibody, Unconjugated (bsm-0933M) at 1:500 overnight at 4°C, followed by a conjugated Goat Anti- Mouse IgG antibody (YF488) for 90 minutes, and DAPI for nuclei staining.

SELECTED CITATIONS

- **[IF=9.423]** Yannan Xi. et al. Glucagon-receptor-antagonism-mediated β-cell regeneration as an effective anti-diabetic therapy. CELL REP. 2022 May;39:110872 IF ;Monkey. 10.1016/j.celrep.2022.110872
- **[IF=5.7]** Jun-Xia Wang. et al. Lactobacillus reuteri-Enriched Eicosatrienoic Acid Regulates Glucose Homeostasis by Promoting GLP-1 Secretion to Protect Intestinal Barrier Integrity. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX WB,IF ;Mouse. 39680859
- **[IF=3.479]** Fujinaga, Atsuro. et al. Changes of Short-Chain Fatty Acids and Their Receptors in an Obese Rat Model After

Sleeve Gastrectomy. OBES SURG. 2022 Jun;:1-9 IHC,WB ;Rat. 35648365