

bsm-0933M**[Primary Antibody]****GLP-1(1G9) Mouse mAb****BioSS**
ANTIBODIES

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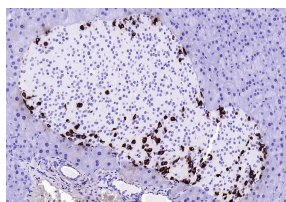
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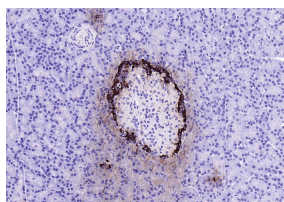
400-901-9800

DATASHEET

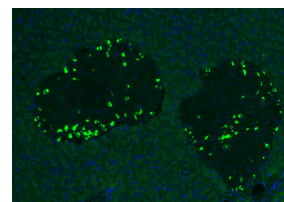
Host: Mouse	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse, Rat Predicted MW.: 21 kDa Subcellular Location: Secreted
Clonality: Monoclonal	CloneNo.: 1G9	
GeneID: 2641	SWISS: P01275	
Target: GLP-1(1G9)		
Immunogen: KLH conjugated synthetic peptide 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.		

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) instructions and 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) instructions and 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

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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