

bsm-51653M**[Primary Antibody]****BioSS**
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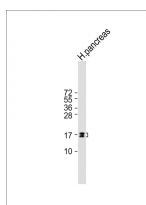
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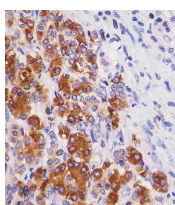
400-901-9800

REG3G Mouse mAb**— DATASHEET —**

Host: Mouse	Isotype: IgG1, k	Applications: WB (1:500-1000) IHC-P (1:100-500) IHC-F (1:25) IF (1:100-500) Reactivity: Human Predicted MW.: 17 kDa Subcellular Location: Secreted
Clonality: Monoclonal	CloneNo.: F6D9	
GeneID: 130120	SWISS: Q6UW15	
Target: REG3G		
Purification: affinity purified by Protein G		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: The regeneration (REG) family consists of secretory proteins involved in liver, pancreatic, gastric and intestinal cell proliferation or differentiation. Members of the REG family are divided into four subclasses, designated types I, II, III and IV, all of which share a common gene structure containing five introns and six exons. Members of the Reg family have been implicated in the regulation of cell growth, tumorigenesis and the progression of cancer. Reg III (regenerating islet-derived 3 gamma), also known as pancreatitis-associated protein 1B, PAP1B, or UNQ429, is a 175 amino acid secreted protein that is expressed almost exclusively in pancreas, with low levels of expression in testis. Reg III?functions as an antimicrobial protein involved in controlling bacterial proliferation and may be induced during acute pancreatitis. The gene encoding Reg III?maps to human chromosome 2, which houses over 1,400 genes and comprises nearly 8% of the human genome.		

— VALIDATION IMAGES —

Sample: Lane 1: Human Pancreas tissue lysates
 Primary: Anti-REG3G (bsm-51653M) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
 Predicted band size: 17 kD
 Observed band size: 17 kD



Paraformaldehyde-fixed, paraffin embedded (human pancreas tissue sections); 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 (REG3G) Monoclonal Antibody, Unconjugated (bsm-51653M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=8.9]** Huanliang Liu. et al. Oil mist particulate matter exposure induces hyperlipidemia-related inflammation via microbiota/ SCFAs/GPR43 axis inhibition and TLR4/NF-κB activation. ENVIRON POLLUT. 2024 Jan;;123331 WB ;Rat. 38199482

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

- **[IF=4]** Yazhi Qi. et al. Total Alkaloids of Rhizoma Corydalis regulates gut microbiota and restores gut immune barrier to ameliorate cognitive dysfunction in diabetic rats. FRONT MICROBIOL. 2024 Dec;15: IHC,WB ;Rat. 39687865