
Insulin (1G11) Mouse mAb

Catalog Number: bsm-0855M

Target Protein: Insulin (1G11)

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 1G11

Isotype: IgG1

Applications: WB (1:500-2000)

Reactivity: Human (predicted:Pig)

Predicted MW: 5.8/12 kDa

Entrez Gene: 3630

Swiss Prot: P01308

Purification: affinity purified by Protein A

Storage: Size : 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

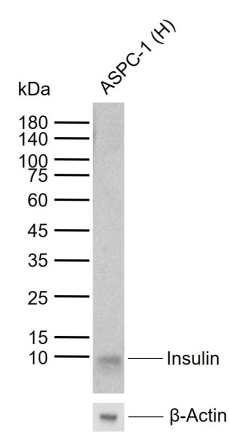
Size : 200ug (PBS only)

0.01M PBS

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Insulin is one of the major regulatory hormones of intermediate metabolism throughout the body. The biological actions of this hormone involve integration of carbohydrate, protein, and lipid metabolism. Insulin enhances membrane transport of glucose, amino acids, and certain ions. It also promotes glycogen storage, formation of triglycerides and synthesis of proteins and nucleic acids. Immunocytochemical investigations have localized insulin in the B cells of pancreatic islets of Langerhans. Deficiency of insulin results in diabetes mellitus, one of the leading causes of morbidity and mortality in the general population. Insulin is also present in tumors of B cell origin such as insulinoma.

VALIDATION IMAGES



Sample: Lane 1: Human ASPC-1 cell lysates Primary: Anti-Insulin (bsm-0855M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 5.8/12 kDa Observed band size: 10 kDa