bs-0274R **[Primary Antibody]**

C Peptide Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG
Clonality: Polyclonal
GeneID: 3630 **SWISS:** P01308
Target: C Peptide
Immunogen: KLH conjugated synthetic peptide of human C Peptide: 57-87/110.
Purification: affinity purified by Protein A
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: 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.

Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human)

Predicted MW.: 3 kDa

Subcellular Location: Secreted

SELECTED CITATIONS

- **[IF=8.2]** Mingming Ning. et al. Microvesicles facilitate the differentiation of mesenchymal stem cells into pancreatic beta-like cells via miR-181a-5p/150-5p. INT J BIOL MACROMOL. 2024 Jan;254:127719 IF,FCM ;Human. 37918601