nP90448Ra91 100μg
Insulin (INS)
Organism: Rattus norvegicus (Rat)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

7th Edition (Revised in May, 2013)

[ PROPERTIES ]

Source: Rat Pancreas
Subcellular Location: Secreted.
Purity: >90%
Endotoxin Level: <1.0EU per 1μg (determined by the LAL method).
Formulation: Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sacrosyl.
Applications: SDS-PAGE; WB; ELISA; IP.
(May be suitable for use in other assays to be determined by the end user.)

[ USAGE ]

Reconstitute in sterile PBS, pH7.2-pH7.4.

[ RELEVANCE ]

Insulin is a peptide hormone, produced by beta cells of the pancreas, and is central to regulating carbohydrate and fat metabolism in the body. Insulin causes cells in the liver, skeletal muscles, and fat tissue to absorb glucose from the blood. In the liver and skeletal muscles, glucose is stored as glycogen, and in fat cells it is stored as triglycerides.
[ STORAGE AND STABILITY ]

Storage: Avoid repeated freeze/thaw cycles.
   Store at 2-8°C for one month.
   Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[ REFERENCES ]