

## Human Insulin, HRP conjugated

**Catalog Number :** bs-0855P-HRP

**Quantity size:** 500ug

**Concentration:** 1mg/ml. Buffer = 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**Background:** Insulin is a pancreatic hormone that regulates glucose and is involved in the synthesis of protein and fat. It increases cell permeability to monosaccharides, amino acids and fatty acids. It accelerates glycolysis, the pentose phosphate cycle, and glycogen synthesis in liver. Heterodimer of a B chain and an A chain linked by two disulfide bonds. Belongs to the insulin family. The insulin-like growth factors, IGF-I and IGF-II (also designated somatomedin C and multiplication stimulating activator, respectively), share approximately 76% sequence identity and are 50% related to pro-insulin. IGF-I and IGF-II are nonglycosylated, single chain proteins of 70 and 76 amino acids in length, respectively. IGF-I functions as an autocrine regulator of growth in various, whereas the function of IGF-II is less well defined.

**Application:** Recommended for ELISA and CLIA. Each laboratory should determine an optimum working titer for use in its particular application.

**Storage:** Shipped at 4°C, Store at -20°C (Avoid repeated freeze/thaw cycles).

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