

Insulin Antibody FITC Conjugated

Catalog No: #C00472F

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Description

Product Name	Insulin Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu
Immunogen Description	Recombinant human insulin
Conjugates	FITC
Target Name	Insulin
Other Names	ILPR; INS; Insulin A chain; Insulin B chain; Insulin A chain; Insulin precursor; IRDN; Proinsulin; Proinsulin precursor; IDDM2; INS_HUMAN; MODY10.
Accession No.	NCBI Gene ID3630
Uniprot	P01308
GeneID	3630;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

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.

Note: This product is for in vitro research use only