INS Antibody / Insulin [clone rIRDN/4782] (V4157)

Catalog No.	Formulation	Size
V4157-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4157-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4157SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Name	rIRDN/4782
Purity	Protein A/G affinity
UniProt	P01308
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 0.1-0.2ug/ml (No special pretreatment is required for staining of FFPE tissue)
Limitations	This INS antibody is available for research use only.

Description

Recognizes a polypeptide which is identified as insulin, a 51-amino acid polypeptide composed of A and B chains

connected through the C-peptide. Proinsulin, which has very little biological activity, is cleaved by proteases within its cell of origin into the insulin molecule and the C-terminal basic residue. 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. Deficiency of insulin results in diabetes mellitus. The main storage site for insulin is the pancreatic islets. Antibodies to insulin are important as beta-cell and insulinoma marker.

Application Notes

Optimal dilution of the INS antibody should be determined by the researcher.

Immunogen

Recombinant full-length human Insulin protein was used as the immunogen for the INS antibody.

Storage

Aliquot the INS antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.