

Anti-Insulin Antibody [IRDN/794] (A249041)

Specifications:

Name:	Anti-Insulin Antibody [IRDN/794]
Description:	Mouse monoclonal [IRDN/794] antibody to Insulin.
Specificity:	This antibody 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.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human, Bovine, Porcine, Mouse, Rat
Immunogen:	Recombinant INS protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	IRDN/794
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Insulin Antibody [IRDN/794] - BSA and Azide free (A252221).

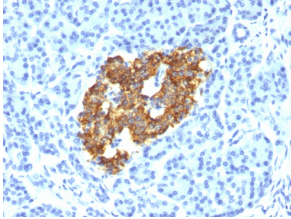
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Specifications continued:

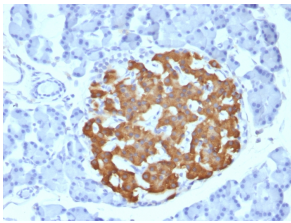
Disclaimer:

This product is for research use only. It is not intended for diagnostic or therapeutic use.

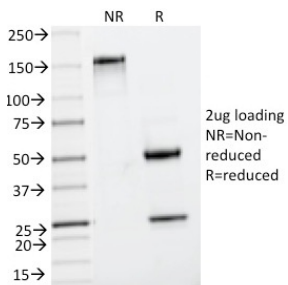
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human pancreas using Anti-Insulin Antibody [IRDN/794].



Immunohistochemical analysis of formalin-fixed, paraffin-embedded rat pancreas using Anti-Insulin Antibody [IRDN/794].



SDS-PAGE analysis of Anti-Insulin Antibody [IRDN/794] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.