Mouse anti-Human Insulin Monoclonal Antibody | anti-INS antibody

Monoclonal Antibody to Insulin (Clone: 2D11-H5)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA78455	**Mouse**	**Human**	**Immunohistochemistry**

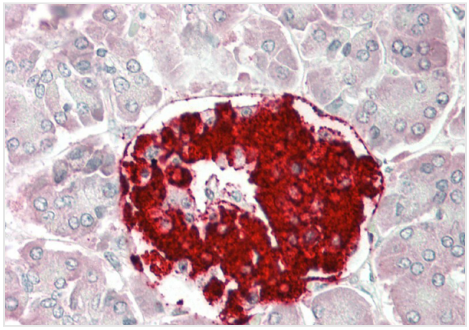
PRODUCT SYNONYMS

Insulin; Monoclonal Antibody; Monoclonal Antibody to Insulin (Clone: 2D11-H5); INS; anti-INS antibody

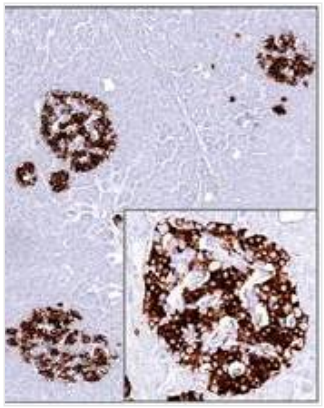
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 Kappa
Clone Number	2D11-H5
Purity/Purification	Purified Protein G Chromatography
Form/Format	100 ug in 200 ul PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Sequence Length	110
Applicable Applications for anti-INS antibody	IHC (Immunohistochemistry)
Antigen	Insulin
Immunogen Information	Human insulin conjugated to BSA was used as immunogen to generate the insulin antibody.
Conjugation	Unconjugated
Preparation and Storage	Store the antibody at 4 degree C; stable for 6 months. For long-term storage; store at -20 degree C. Avoid repeated freeze and thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Fig: 2 Immunohistochemical analysis of Insulin in human pancreas tissue using Insulin antibody (Clone: 2D11-H5) at 5 ug/ml.



FCM/FACS (Flow Cytometry)
Fig: 1 Immunohistochemical analysis of Insulin in human pancreas using Insulin antibody (Clone: 2D11-H5) at 1: 500 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-INS antibody	Insulin is a secreted peptide hormone produced by the pancreas that regulates carbohydrate and lipid metabolism. Insulin is released from the pancreatic beta cells of the islets of Langerhans in response to secretagogues. Following its release, insulin quickly acts to both inhibit hepatic glucose production and stimulate peripheral blood glucose utilization. During this process cells in the liver, muscle, and fat are triggered to take up glucose and store it as glycogen, resulting in a decrease of blood glucose levels.
Product Categories/Family for anti-INS antibody	Cancer Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557671
NCBI GeneID	3630
NCBI Accession #	NP_000198.1
NCBI GenBank Nucleotide #	NM_000207.2
UniProt Accession #	P01308; Q5EEX2
Molecular Weight	21,537 Da
NCBI Official Full Name	insulin preproprotein
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS
NCBI Official Synonym Symbols	IDDM; ILPR; IRDN; IDDM1; IDDM2; MODY10
NCBI Protein Information	insulin
UniProt Protein Name	Insulin
UniProt Gene Name	**INS**

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/monoclonal/insulin-antibody-clone-2d11-h5-immunohistochemistry-elisa/78455