

Mouse Insulin Monoclonal Antibody | anti-INS antibody

Anti-Insulin Antibody, Mouse Monoclonal

CATALOG # AAA255303	HOST Mouse	REACTIVITY Human, Cynomolgus, Mouse, Rat	APPLICATIONS Immunohistochemistry
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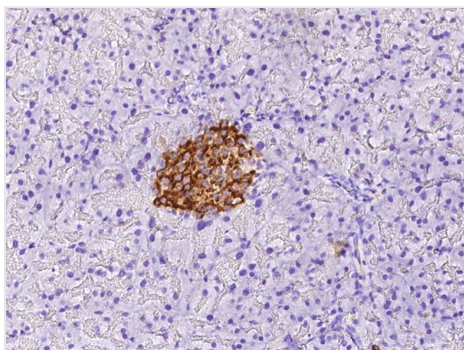
PRODUCT SYNONYMS

Insulin; Monoclonal Antibody; Anti-Insulin Antibody; Mouse Monoclonal; Insulin/INS Antibody; Mouse MAb; insulin; Anti-IDDM Antibody; Anti-IDDM1 Antibody; Anti-IDDM2 Antibody; Anti-ILPR Antibody; Anti-INS Antibody; Anti-IRDN Antibody; Anti-MODY10 Antibody; anti-INS antibody

PRODUCT SPECIFICATIONS

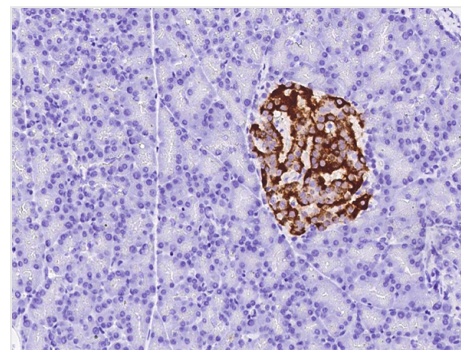
Host	Mouse
Reactivity	Human, Cynomolgus, Mouse, Rat
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	14
Purity/Purification	Protein A affinity chromatography
Form/Format	0.2um filtered solution in PBS
Concentration	1 mg/mL (varies by lot)
Applicable Applications for anti-INS antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human Insulin/INS Protein
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Insulin/INS (rh Insulin/INS). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 to 8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 to -80 degree C. Preservative-Free. Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%) it is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

IMAGES



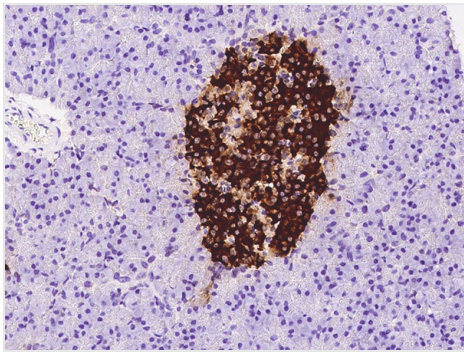
IHC (Immunohistochemistry)

Immunochemical staining Insulin in mouse pancreas with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



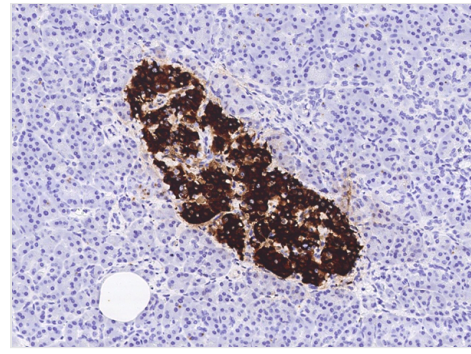
IHC (Immunohistochemistry)

Immunochemical staining Insulin in rat pancreas with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining Insulin in cynomolgus pancreas with mouse monoclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining Insulin in human pancreas with mouse monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-INS antibody	INS (Insulin) is a Protein Coding gene. This gene encodes insulin, a peptide hormone that plays a vital role in the regulation of carbohydrate and lipid metabolism. After removal of the precursor signal peptide, proinsulin is post-translationally cleaved into three peptides: the B chain and A chain peptides, which are covalently linked via two disulfide bonds to form insulin, and C-peptide. The binding of insulin to the insulin receptor (INSR) stimulates glucose uptake. Diseases associated with INS include Hyperproinsulinemia and Maturity-Onset Diabetes Of The Young, Type 10. A multitude of mutant alleles with phenotypic effects has been identified, including insulin-dependent diabetes mellitus, permanent neonatal diabetes mellitus, maturity-onset diabetes of the young type 10, and hyperproinsulinemia.
Product Categories/Family for anti-INS antibody	AMPK Signaling Pathway
References	Veedefald S, Plamboeck A, Deacon C F, et al. Cephalic phase secretion of insulin and other enteropancreatic hormones in humans[J]. American Journal of Physiology-Gastrointestinal and Liver Physiology, 2016, 310(1): G43-G51.

NCBI AND UNIPROT INFORMATION

NCBI GI #	386828
NCBI GeneID	3630
UniProt Accession #	P01308 ; Q5EEX2
NCBI Official Full Name	insulin
NCBI Official Synonym Full Names	insulin
NCBI Official Symbol	INS
NCBI Official Synonym Symbols	ILPR; IRDN; IDDM2; MODY10
NCBI Protein Information	insulin; proinsulin; preproinsulin
UniProt Protein Name	Insulin
UniProt Gene Name	INS
UniProt Entry Name	INS_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/insulin-antibody-clone-14-immunohistochemistry-elisa/255303>