Product Datasheet

Insulin Antibody (2D11-H5 (same as INS05)) NBP2-15195-20ug

Unit Size: 20 ug

Store at 4C.

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Publications: 6

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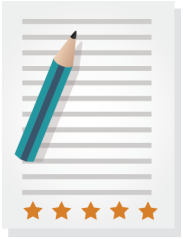
Updated 10/23/2024 v.20.1



NBP2-15195-20ug

Insulin Antibody (2D11-H5 (same as INS05))

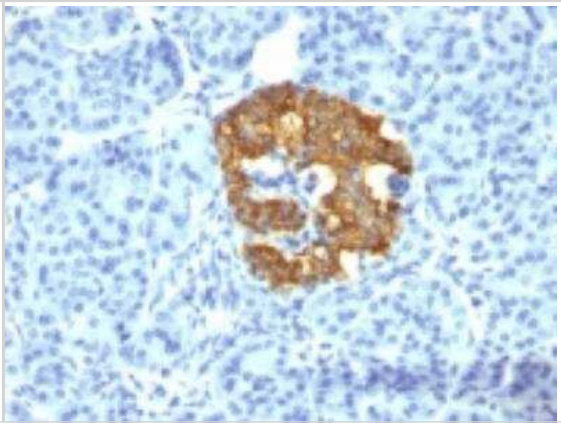
Product Information	
Unit Size	20 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	2D11-H5 (same as INS05)
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	6 kDa

Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-33146) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	3630
Gene Symbol	INS
Species	Human, Mouse, Porcine, Bovine
Marker	beta-Cell & Insulinoma Marker
Specificity/Sensitivity	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.
Immunogen	Purified pig insulin, conjugated to KLH (Uniprot: P01308)

Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 0.1-0.2 ug/ml
Application Notes	Immunohistochemistry (Formalin-fixed): 0.1-0.2ug/ml for 30 minutes at RT. No special pretreatment is required for staining of formalin/paraffin tissues. Optimal dilution for a specific application should be determined.

Images

Immunohistochemistry-Paraffin: Insulin Antibody (2D11-H5) [NBP2-15195] - Formalin-fixed, paraffin-embedded human pancreas stained with insulin Monoclonal



Publications

Fumisato Ozawa, Shogo Nagata, Haruka Oda, Shigeharu G. Yabe, Hitoshi Okochi, Shoji Takeuchi Lotus-root-shaped cell-encapsulated construct as a retrieval graft for long-term transplantation of human iPSC-derived β-cells iScience 2021-04-01 [PMID: 33997668]

Birdwell L, Levesque D, Machiah D, Gumber S Clinicopathologic characteristics of pancreatic islet amyloidosis in the rhesus macaque (Macaca mulatta) and sooty mangabey (Cercocebus atys) Journal of medical primatology [PMID: 35357015]

Walter T, Hervieu V, Adham M et al. Primary neuroendocrine tumors of the main pancreatic duct: a rare entity. Virchows Arch. 2011-05-01 [PMID: 21431402]

Ardeleanu C, Arsene D, Hinescu M et al. Pancreatic expression of DOG1: a novel gastrointestinal stromal tumor (GIST) biomarker. Appl Immunohistochem Mol Morphol. 2009-10-01 [PMID: 19417627]

Poncet G, Hervieu V, Walter T et al. Neuroendocrine tumors of Meckel's diverticulum: lessons from a single institution study of eight cases. J Gastrointest Surg. 2011-01-01 [PMID: 20824383]

Sato K, Imai T, Shirota Y et al. Combined large cell neuroendocrine carcinoma and adenocarcinoma of the gallbladder. Pathol Res Pract. 2010-06-15 [PMID: 19945229]

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Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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