

Resource Summary Report

Generated by [RRID](#) on Aug 3, 2026

insulin (proinsulin; C-peptide) antibody - Madsen, O.D.; Hagedorn Research Institute

RRID:AB_2255626

Type: Antibody

Proper Citation

DSHB Cat# GN-ID4, RRID:AB_2255626

Antibody Information

URL: http://antibodyregistry.org/AB_2255626

Proper Citation: DSHB Cat# GN-ID4, RRID:AB_2255626

Target Antigen: insulin (proinsulin; C-peptide)

Host Organism: rat

Clonality: monoclonal

Comments: Application(s):

FACS, Immunofluorescence, Immunohistochemistry, Immunoprecipitation; Date Deposited: 01/23/2006

Antibody Name: insulin (proinsulin; C-peptide) antibody - Madsen, O.D.; Hagedorn Research Institute

Description: This monoclonal targets insulin (proinsulin; C-peptide)

Target Organism: monkey, human

Defining Citation: [PMID:8855374](#), [PMID:23468018](#), [PMID:26515645](#), [PMID:2842785](#), [PMID:1682130](#), [PMID:2443408](#), [PMID:26216140](#), [PMID:8785515](#), [PMID:29249360](#), [PMID:842785](#), [PMID:6196183](#)

Antibody ID: AB_2255626

Vendor: DSHB

Catalog Number: GN-ID4

Record Creation Time: 20250819T224121+0000

Ratings and Alerts

- Used for immunohistochemistry by the Human Islet Research Network community. Contact(s): [Jose Oberholzer](#), [Dale Greiner](#), [Douglas Melton](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for insulin (proinsulin; C-peptide) antibody - Madsen, O.D.; Hagedorn Research Institute.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 37 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Maruoka A, et al. (2025) Expression of genes involved in thyroid hormone action in human induced pluripotent stem cells during differentiation to insulin-producing cells: Effects of iopanoic acid on differentiation. Molecular and cellular endocrinology, 599, 112490.

Preza S, et al. (2025) DEC1 regulates human β cell functional maturation and circadian rhythm. Cell reports, 44(12), 116666.

van Tienhoven R, et al. (2025) Genetic protection from type 1 diabetes resulting from accelerated insulin mRNA decay. Cell, 188(9), 2407.

Jun Y, et al. (2025) Engineered vasculature induces functional maturation of pluripotent stem cell-derived islet organoids. Developmental cell.

Meng G, et al. (2025) Reconstruction of endocrine subtype-complete human pluripotent stem cell-derived islets with capacity for hypoglycemia protection in vivo. Cell stem cell, 32(9), 1438.

Yu XX, et al. (2025) Reconstructing human pancreatic gene networks enhances stem cell-derived β cell induction. Developmental cell.

Karakose E, et al. (2024) Cycling alpha cells in regenerative drug-treated human pancreatic islets may serve as key beta cell progenitors. Cell reports. Medicine, 5(12), 101832.

Li Q, et al. (2024) Cyborg islets: implanted flexible electronics reveal principles of human islet electrical maturation. bioRxiv : the preprint server for biology.

Hua H, et al. (2024) Remodeling ceramide homeostasis promotes functional maturation of human pluripotent stem cell-derived β cells. *Cell stem cell*, 31(6), 850.

Andersson-Rolf A, et al. (2024) Long-term in vitro expansion of a human fetal pancreas stem cell that generates all three pancreatic cell lineages. *Cell*, 187(26), 7394.

Wang S, et al. (2024) Transplantation of chemically induced pluripotent stem-cell-derived islets under abdominal anterior rectus sheath in a type 1 diabetes patient. *Cell*, 187(22), 6152.

Gerace D, et al. (2023) Engineering human stem cell-derived islets to evade immune rejection and promote localized immune tolerance. *Cell reports. Medicine*, 4(1), 100879.

Kahraman S, et al. (2023) Fluorescein-based sensors to purify human β -cells for functional and transcriptomic analyses. *eLife*, 12.

Hermann FM, et al. (2023) An insulin hypersecretion phenotype precedes pancreatic β cell failure in MODY3 patient-specific cells. *Cell stem cell*, 30(1), 38.

Choleva L, et al. (2023) Structure-Function Analysis of p57KIP2 in the Human Pancreatic Beta Cell Reveals a Bipartite Nuclear Localization Signal. *Endocrinology*, 165(2).

Xu W, et al. (2023) Architecture of androgen receptor pathways amplifying glucagon-like peptide-1 insulinotropic action in male pancreatic β cells. *Cell reports*, 42(5), 112529.

Szlachcic WJ, et al. (2022) SARS-CoV-2 infects an in vitro model of the human developing pancreas through endocytosis. *iScience*, 25(7), 104594.

Kenty JH, et al. (2021) Retrieval and purification of human β cells from stem cell-derived islet engrafted mice. *STAR protocols*, 2(3), 100675.

Haliyur R, et al. (2021) Integrated Analysis of the Pancreas and Islets Reveals Unexpected Findings in Human Male With Type 1 Diabetes. *Journal of the Endocrine Society*, 5(12), bvab162.

Sintov E, et al. (2021) A human ESC line for efficient CRISPR editing of pluripotent stem cells. *Stem cell research*, 57, 102591.