

Resource Summary Report

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Monoclonal Anti-Glucagon antibody produced in mouse

RRID:AB_259852

Type: Antibody

Proper Citation

Sigma-Aldrich Cat# G2654, RRID:AB_259852

Antibody Information

URL: http://antibodyregistry.org/AB_259852

Proper Citation: Sigma-Aldrich Cat# G2654, RRID:AB_259852

Target Antigen: Glucagon

Host Organism: mouse

Clonality: monoclonal

Comments: Applications: dot blot, immunohistochemistry (formalin-fixed, paraffin-embedded sections), radioimmunoassay

Antibody Name: Monoclonal Anti-Glucagon antibody produced in mouse

Description: This monoclonal targets Glucagon

Target Organism: guinea pig, feline, rat, canine, pig, mouse, rabbit, human

Clone ID: K79bB10

Antibody ID: AB_259852

Vendor: Sigma-Aldrich

Catalog Number: G2654

Record Creation Time: 20250820T050705+0000

Record Last Update: 20250820T204954+0000

Ratings and Alerts

- Used for immunofluorescence microscopy assay by the Human Islet Research Network community. Contact(s): [Peter Arvan](#) - Human Islets Research Network <https://hirnetwork.org/>

No alerts have been found for Monoclonal Anti-Glucagon antibody produced in mouse.

Data and Source Information

Source: [Antibody Registry](#)

Usage and Citation Metrics

We found 96 mentions in open access literature.

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

Filatov E, et al. (2026) CCL22-expressing Stem Cell-derived Islet Grafts Recruit Regulatory T Cells in Mice. Transplantation, 110(1), e116.

Greisle T, et al. (2025) Generation of a Flattop-T2A-H2B-Venus x C-peptide-mCherry double reporter human iPSC line to monitor WNT/Planar cell polarity pathway activity. Stem cell research, 88, 103838.

Kim LB, et al. (2025) Acute Inhibition of Adipose Triglyceride Lipase by NG497 Dysregulates Insulin and Glucagon Secretion From Human Islets. Endocrinology, 166(7).

Hahm J, et al. (2025) Bi-Hormonal Endocrine Cell Presence Within the Islets of Langerhans of the Human Pancreas Throughout Life. Cells, 14(1).

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

Krivova Y, et al. (2025) Detection of Insulin in Insulin-Deficient Islets of Patients with Type 1 Diabetes. Life (Basel, Switzerland), 15(1).

Tong JCL, et al. (2025) Localized GLP1 receptor pre-internalization directs pancreatic alpha cell to beta cell communication. Cell metabolism, 37(8), 1698.

Roy G, et al. (2025) VDAC1 is a target for pharmacologically induced insulin hypersecretion in β cells. Cell reports, 44(6), 115834.

Acreman S, et al. (2024) The endoplasmic reticulum plays a key role in β -cell intracellular Ca^{2+} dynamics and glucose-regulated glucagon secretion in mouse islets. iScience, 27(5), 109665.

O'Sell J, et al. (2024) Disruption of perinatal myeloid niches impacts the aging clock of pancreatic β cells. iScience, 27(9), 110644.

Vandenbempt V, et al. (2024) HAMSAB diet ameliorates dysfunctional signaling in pancreatic islets in autoimmune diabetes. *iScience*, 27(1), 108694.

Edri S, et al. (2024) 3D model of mouse embryonic pancreas and endocrine compartment using stem cell-derived mesoderm and pancreatic progenitors. *iScience*, 27(6), 109959.

Ewald JD, et al. (2024) HumanIslets: An integrated platform for human islet data access and analysis. *bioRxiv : the preprint server for biology*.

Cuozzo F, et al. (2024) LDHB contributes to the regulation of lactate levels and basal insulin secretion in human pancreatic β cells. *Cell reports*, 43(4), 114047.

Halloran KM, et al. (2024) Developmental programming: Testosterone excess masculinizes female pancreatic transcriptome and function in sheep. *Molecular and cellular endocrinology*, 588, 112234.

Westholm E, et al. (2024) IGFBP7 is upregulated in islets from T2D donors and reduces insulin secretion. *iScience*, 27(9), 110767.

Barra JM, et al. (2024) Combinatorial genetic engineering strategy for immune protection of stem cell-derived beta cells by chimeric antigen receptor regulatory T cells. *Cell reports*, 43(11), 114994.

Hatano R, et al. (2024) Mosaic ablation of pancreatic β cells induces de-differentiation and repetitive proliferation of residual β cells in adult mice. *iScience*, 27(9), 110656.

Drotar DM, et al. (2024) Impaired islet function and normal exocrine enzyme secretion occur with low inter-regional variation in type 1 diabetes. *Cell reports*, 43(6), 114346.

Gurlo T, et al. (2024) Dysregulation of cholesterol homeostasis is an early signal of β -cell proteotoxicity characteristic of type 2 diabetes. *Physiological genomics*, 56(9), 621.