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Basic Study

CD47 decline in pancreas islet cells promotes macrophage-mediated phagocytosis in Type I diabetes

Zhang J *et al.* CD47 decline promoted macrophage phagocytosis

Jing Zhang, Su-Bee Tan, Zhi-Gang Guo

Abstract

BACKGROUND

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Minireview: Emerging Concepts in Islet Macrophage ... [翻译此页](#)

Cited by: 24

Author: David L. Morris

Publish Year: 2015

位置: 8600 Rockville Pike, Bethesda, MD

2015-5-22 · Macrophages are an integral component of the pancreatic islet that appear during embryonic development and persist well into adulthood. Historically, interest in islet macrophage biology has been largely confined to understanding the role of macrophages in type 1 diabetes (T1D), where these cells are effectors in the autoimmune process (1,– 3), or in islet transplantation where macrophage ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4484777>

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Cited by: 24

Author: David L. Morris

Publish Year: 2015

2015-7-1 · Historically, interest in islet macrophage biology has been largely confined to understanding the role of macrophages in type 1 diabetes (T1D), where these cells are effectors in the autoimmune process (1–3), or in islet transplantation where macrophage recruitment and activation often results in islet graft rejection (4–6).

<https://academic.oup.com/mend/article/29/7/946/2556493> ▼

Gene expression profiles for the human pancreas and ... [翻译此页](#)



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In CD4+ T-Cell-Induced Diabetes, Macrophages Are the Final ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1762478>

Type 1 **diabetes mellitus (T1DM)** is an autoimmune disorder wherein the **pancreatic islet β cells** are destroyed by **autoreactive T cells** resulting in a state of **persistent hyperglycemia**.

Cited by: 108

Author: Boris Calderon, Anish Suri, Emil R. Unanue

Publish Year: 2006

Macrophage IFN- γ signaling promotes autoreactive T cell ...

<https://insight.jci.org/articles/view/125067> ▾

Type 1 diabetes (T1D) is an autoimmune disorder defined by the progressive and irreversible destruction of insulin-producing **β cells** within the **islets** of Langerhans of the **pancreas**. By the ... +

Cited by: 3

Author: Brett S. Marro, Sarah Legrain, Brian C. W...

Publish Year: 2019

Minireview: Emerging Concepts in Islet Macrophage Biology ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4484777>

May 22, 2015 · Second, a number of monocyte chemokines are also induced in **β -cell lines** and **pancreatic islets** upon exposure to obesity or glucolipotoxicity (14, 188,– 190), ... +

Cited by: 24

Author: David L. Morris

Publish Year: 2015

Altered Function of Antigen-Presenting Cells in Type 1 ...

<https://diabetes.diabetesjournals.org/content/67/8/1481> ▾

Aug 01, 2018 · Type 1 diabetes (T1D) results from **T-cell-mediated destruction** of **insulin-producing pancreatic β -cells**, leading to hyperglycemia and associated complications . The ... +

Cited by: 8

Author: Rémi J. Creusot, Jorge Postigo-Fernande...

Publish Year: 2018

Role of immune system in type 1 diabetes mellitus pathogenesis

<https://www.sciencedirect.com/science/article/pii/S1567576914002471>

Pancreas infiltrating CD4 T **cells** produce CC (CCL2-5, CCL7, and CCL12), CXCL10, and XCL1. In a transgenic model of autoimmune **diabetes**, these cytokines produced by **islet-specific Th1 cells** ... +

Cited by: 34 Author: Leszek Szablewski