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Cited by: 2 Author: M. Danta, M. Danta, D. A. Barber, H. P. Z...
Publish Year: 2017

Role of Macrophage Inhibitory Cytokine-1 ... - Cancer Research

<https://cancerres.aacrjournals.org/content/66/10/4983>

May 15, 2006 - Macrophage inhibitory cytokine-1 (MIC-1), a transforming growth factor-β superfamily cytokine, is involved in tumor pathogenesis, and its measurement can be used as a clinical tool for the diagnosis and management of a wide range of cancers. Although generally considered to be part of the cell's antitumorigenic repertoire, MIC-1 secretion, processing, and latent storage suggest a complex ...

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Publish Year: 2006

(PDF) Macrophage Inhibitory Cytokine-1 as a Novel ...

https://www.researchgate.net/publication/306924418_Macrophage_Inhibitory_Cytokine-1_as...

Sep 05, 2016 - Growth differentiation factor-15 (GDF-15) is a novel cytokine secreted by a variety of cells like macrophages, adipocytes, normally expressed in high amounts by placenta.

Diet-induced macrophage inhibitory cytokine 1 promotes ...

https://www.researchgate.net/publication/259350846_Diet-induced_macrophage_inhibitory...

Diet-induced macrophage inhibitory cytokine 1 promotes prostate cancer progression. ... and growth/differentiation factor 15 ... of macrophage inhibitory cytokine 1 in MDA-MB-231 cells.

Role of inflammation in pancreatic carcinogenesis and the ...

<https://www.sciencedirect.com/science/article/pii/S1424390305800912>

ROS and Pancreatic Cancer In vitro work in MiaPaCa2 and PANC-1 pancreatic cancer cell lines have shown that ROS produced by NAD(P)H oxidase inhibit apoptosis and may act as downstream messengers for growth factors such as serum insulin-1 growth factor and .broblast growth factor-2 ...

7 **Name of Journal:** *World Journal of Gastroenterology*

Manuscript NO: 53164

Manuscript Type: ORIGINAL ARTICLE

Prospective Study

Macrophage inhibitory cytokine-1/growth differentiation factor-15 in premalignant and neoplastic tumours in a high-risk pancreatic cancer cohort

O'Neill RS *et al.* MIC-1 in PC screening

Robert Sean O'Neill, Sam Emmanuel, David Williams, Alina Stoita

Abstract

BACKGROUND

Pancreatic cancer (PC) is a leading cause of cancer related mortality worldwide, with poor survival due to late diagnosis. Currently, biomarkers have limited use in early diagnosis of PC. Macrophage inhibitory cytokine-1 or growth differentiation factor-15 (MIC-1/GDF15) has been implicated as a potential serum biomarker in PC and other malignancies.

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Author: Asne R. Bauskin, David A. Brown, Tam...

Publish Year: 2006

9518 - Gene ResultGDF15 growth differentiation factor 15 ...

<https://www.ncbi.nlm.nih.gov/gene/9518>

Sep 16, 2019 · Growth and **differentiation factor-15** is a potential novel factor associated with muscle atrophy, which may become a therapeutic target in patients with ICU acquired paresis and other forms of acute muscle wasting. growth-**differentiation factor-15** is a new player in histamine-induced melanogenesis.

Inflammation and pancreatic cancer: An updated review

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6373214>

GDF-15 is highly expressed in **pancreatic cancer** compared with other cancers. Growth and **differentiation factor 15** (GDF-15), also known as **macrophage inhibitory** cytokine 1 (Mic-1), is an NF- κ B-regulated gene whose production by tumor cells and signaling in macrophages serve as an important promoter of early **cancer** development.



Macrophage inhibitory cytokine-1/growth differentiator  

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Role of Macrophage Inhibitory Cytokine-1 in Tumorigenesis ...

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Growth differentiation factor 15 contributes to cancer