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CD40 activation in human pancreatic islets - Study GBCO3980

Genomics Study Specifications

Study Name	CD40 activation in human pancreatic islets
Contact Name	Ricardo Pastori (Diabetes Research Institute, University of Miami)
Publication	http://www.ncbi.nlm.nih.gov/pubmed/18661119
My Strategies	Return to My Strategies page
Classification	Islet/beta-cell stimulation/injury; Cell stimulation/injury
Links	Biomaterials Graph GEO
BCBC Release Date	July 21, 2010
Public Release Date	July 21, 2010
Citation	Klein D, Timoneri F, Ichii H, Ricordi C, Pastori RL. CD40 activation in human pancreatic islets and ductal cells. Diabetologia. 2008. 51:1853-61
Synopsis	Study Description | Goals | Approaches | Results | Conclusions | Related Studies In this study, we have studied gene expression mediated by CD40-CD40L interaction in islet cells. This approach identified 90 genes and transcripts exhibiting at least a 1.7 fold increase in their expression intensity after treatment with soluble CD40L. A significant number of genes were related to inflammation and oxidative stress.
Platform types	Expression microarray, Expression
Platforms	Show platform Agilent-012391 Whole Human Genome Oligo Microarray G4112A
Study Design Type	• compound_treatment_design
Study Factors	Show study factors
Study Assays	Show study assays

Access to Study Data

This Study Data is publicly available to all users.

Gene List(s)

Use the following form(s) to refine the parameters and add the gene list to a strategy:

Human CD40L islet cells versus control islet cells

Access Status

This resource is publicly viewable.

Request this Resource

Request from a repository

Primary contributor: Stoeckert Lab

Resource Tags

CCL2, CCL4, CD40, CXCL1, CXCL2, CXCL3, IFNG, IL1B, MCP-1, MIP-1beta, TNF-alpha

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Read more about tags

Resource History & Actions

Approved on Jul 21, 2010
Last modified on Jan 17, 2012

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Related resources

BCBC

No matching resources

Other Consortia

No matching resources

Data courtesy of dkCOIN. Only public resources are displayed.

|Fold Change| Greater Than: 1.5

Confidence Level: High Confidence All Results

For a microarray experiment a result with high confidence has a confidence level of at least 80%.

For a ChIP-chip experiment a result with high confidence has a confidence level of at least 90% and all fold changes are positive.

Reference (Denominator): Control Islet Cells

Find Genes

Genome Browser

There are no genome browser tracks currently available for this study.

Lists of Locations

There are no genomic location datasets currently available for this study.

Repositories

Stoeckert Lab

Request this resource

Stock #: *Not provided*
Availability Notes: *Not provided*

Comments

There are no comments for this entry.

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