



25317-Review

 Quotes Excluded  
 Bibliography Excluded

 8%  
 SIMILAR

 Name of Journal: *World Journal of Cardiology*

ESPS Manuscript NO: 25317

Manuscript Type: Original Article

### Basic Study

Tenascin C upregulates IL-6 expression in human cardiac myofibroblasts *via* toll-like receptor 4

Azhar Maqbool, Emma J Spary, Iain W Manfield, Michaela Ruhmann, Lorena Zuliani-Alvarez, Filomena O Gamboa-Esteves, Karen E Porter, Mark J Drinkhill, Kim S Midwood, Neil A Turner

### Abstract

**AIM:** To investigate the effect of Tenascin-C (TNC) on the expression of pro-inflammatory cytokines and matrix metalloproteinases in human cardiac myofibroblasts.

**METHODS:** Cardiac myofibroblasts (CMF) were isolated and cultured from patients

### Match Overview

1	<b>CrossCheck</b> 32 words Harry Wit. "Differential regulation of M-CSF and IL-6 gene expression in monocytic cells", <i>British Journal of Haematol</i>	1%
2	<b>Internet</b> 21 words crawled on 27-Nov-2015 <a href="http://e-sciencecentral.org">e-sciencecentral.org</a>	1%
3	<b>Internet</b> 18 words crawled on 17-Dec-2015 <a href="http://eprints.whiterose.ac.uk">eprints.whiterose.ac.uk</a>	<1%
4	<b>CrossCheck</b> 17 words Tsukada, B. "High prevalence of chronic myocarditis in dilated cardiomyopathy referred for left ventriculoplasty: ex...	<1%
5	<b>CrossCheck</b> 16 words Chae, H.J., J.O. Byun, S.W. Chae, H.M. Kim, H.I. Choi, H.O. Pae, H.T. Chung, and H.R. Kim. "p38 MAPK and NF-κB c...	<1%
6	<b>CrossCheck</b> 16 words J. Yu. "Transcriptional regulation of IL-6 in bile duct epith... a by extracellular ATP", <i>AJP Gastrointestinal and Liver Phy</i>	<1%

[全部](#)[图片](#)[新闻](#)[视频](#)[地图](#)[更多 ▾](#)[搜索工具](#)

找到约 23,700 条结果 (用时 0.83 秒)

## Google 学术: Tenascin C upregulates IL-6 expression in Human Cardiac Myofibroblasts via Toll-Like Receptor 4

... of interleukin-1 on cardiac fibroblast function: relevance ... - Turner - 被引用次数: 131

Extracellular matrix roles during cardiac repair - Jourdan-LeSaux - 被引用次数: 51

Toll-like receptor 4 signaling augments transforming ... - Bhattacharyya - 被引用次数: 70

## Protein Kinase C $\epsilon$ -Calcineurin Cosignaling Downstream of ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) > ... > PubMed Central (PMC) ▾ 翻译此页

作者: RFDS Mesquita - 2014 - 被引用次数: 8 - 相关文章

In primary rat cardiomyocyte cultures Toll-like receptor 4 (TLR4) agonist- or ... alpha (TNF- $\alpha$ ), interleukin-1 $\alpha$  (IL-1 $\alpha$ ), interleukin-6 (IL-6), transforming growth ... Importantly, PKC $\epsilon$  couples TLR4 to NF- $\kappa$ B activation in macrophages via ..... of tenascin C (TNC) expression in human cardiac myofibroblasts in response to IL-1 $\alpha$ .

## TLR4 toll like receptor 4 [ (human)]

[www.ncbi.nlm.nih.gov/gene/7099](http://www.ncbi.nlm.nih.gov/gene/7099) ▾ 翻译此页

2016年2月21日 - Resistin-induced SDF-1 upregulation by activation of TLR4, p38 MARK ... S100A1 signaling in cardiac fibroblasts occurs through endosomal TLR4/MyD88. ... revealed that the TLR-4 399 C>T polymorphism might increase the risk of ..... Interleukin-6 induction of toll-like receptor 4 gene expression via signal ...



[全部](#)[图片](#)[新闻](#)[地图](#)[更多 ▾](#)[搜索工具](#)

找到约 22,300 条结果 (用时 0.82 秒)

## Google 学术: Tenascin C upregulates IL-6 expression in human cardiac myofibroblasts via toll-like receptor 4

... of interleukin-1 on cardiac fibroblast function: relevance ... - Turner - 被引用次数: 139

Extracellular matrix roles during cardiac repair - Jourdan-LeSaux - 被引用次数: 55

Toll-like receptor 4 signaling augments transforming ... - Bhattacharyya - 被引用次数: 72

## Protein Kinase C $\epsilon$ -Calcineurin Cosignaling Downstream of ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) > ... > PubMed Central (PMC) ▾ [翻译此页](#)

作者: RFDS Mesquita - 2014 - 被引用次数: 8 - 相关文章

In primary rat cardiomyocyte cultures Toll-like receptor 4 (TLR4) agonist- or ... alpha (TNF- $\alpha$ ), interleukin-1 $\alpha$  (IL-1 $\alpha$ ), interleukin-6 (IL-6), transforming growth ... Importantly, PKC $\epsilon$  couples TLR4 to NF- $\kappa$ B activation in macrophages via ..... of tenascin C (TNC) expression in human cardiac myofibroblasts in response to IL-1 $\alpha$ .

## TLR4 toll like receptor 4 [ (human)] - NCBI

[www.ncbi.nlm.nih.gov/gene/7099](http://www.ncbi.nlm.nih.gov/gene/7099) ▾ [翻译此页](#)

Resistin-induced SDF-1 upregulation by activation of TLR4, p38 MARK and ... S100A1 signaling in cardiac fibroblasts occurs through endosomal TLR4/MyD88. ... Meta-analysis results revealed that the TLR-4 399 C>T polymorphism might increase ..... Interleukin-6 induction of toll-like receptor 4 gene expression via signal ...

[全部](#)[图片](#)[地图](#)[新闻](#)[更多 ▾](#)[搜索工具](#)

找到约 22,000 条结果 (用时 0.74 秒)

### Protein Kinase C $\epsilon$ -Calcineurin Cosignaling Downstream of ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) > ... > [PubMed Central \(PMC\)](#) ▾ [翻译此页](#)

作者: RFDS Mesquita - 2014 - [被引用次数: 8](#) - [相关文章](#)

In primary rat cardiomyocyte cultures **Toll-like receptor 4** (TLR4) agonist- or ...  $\alpha$  (TNF- $\alpha$ ), interleukin-1 $\alpha$  (IL-1 $\alpha$ ), **interleukin-6** (IL-6), transforming growth ... Importantly, PKC $\epsilon$  couples TLR4 to NF- $\kappa$ B activation in macrophages **via** ..... of **tenascin C** (TNC) **expression in human cardiac myofibroblasts** in response to IL-1 $\alpha$ .

### TLR4 toll like receptor 4 [ (human)] - NCBI

[www.ncbi.nlm.nih.gov/gene/7099](http://www.ncbi.nlm.nih.gov/gene/7099) ▾ [翻译此页](#)

2016年4月3日 - Resistin-induced SDF-1 **upregulation** by activation of TLR4, p38 MARK ... S100A1 signaling in **cardiac fibroblasts** occurs **through** endosomal TLR4/MyD88. ... revealed that the **TLR-4 399 C>T** polymorphism might increase the risk of ..... **Interleukin-6** induction of **toll-like receptor 4** gene **expression via** signal ...

### Toll-Like Receptor 4 Is Involved in Human and Mouse Vein ...

[atvb.ahajournals.org/content/31/5/1033.full](http://atvb.ahajournals.org/content/31/5/1033.full) ▾ [翻译此页](#)

作者: JC Karper - 2011 - [被引用次数: 25](#) - [相关文章](#)

2011年2月17日 - **Toll-like receptors** (TLRs) have a key role in driving inflammation ... and lead to activation and **upregulation** of the **expression** of TLR4, resulting in a .... Areas of vein graft sections were quantified by **using 6** sequential ..... **Tenascin-C** is **expressed** in macrophage-rich **human coronary** atherosclerotic plaque.

### Cardiac Fibroblast - Circulation Research

[circres.ahajournals.org/content/105/12/1164.full](http://circres.ahajournals.org/content/105/12/1164.full) ▾ [翻译此页](#)

作者: CA Souders - 2009 - [被引用次数: 397](#) - [相关文章](#)

In addition, various studies **using** cell-specific markers have demonstrated that the ..... **DDR2** is a collagen receptor that is **expressed in cardiac fibroblasts** but not myocytes