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**Manuscript Type:** ORIGINAL ARTICLE

*Case Control Study*

**Interleukin-22 receptor 1 is expressed in multinucleated giant cells: A study on intestinal tuberculosis and Crohn's disease**

Yu ZQ *et al.* IL-22R1 expression in multinucleated giant cells

Zi-Qi Yu, Wen-Fei Wang, You-Chao Dai, Xin-Chun Chen, Jian-Yong Chen

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### Cytokine gene expression in intestinal tuberculosis and Crohn's disease.

<https://www.ncbi.nlm.nih.gov/pubmed/23575333> ▼ [翻译此页](#)

作者: S Pugazhendhi - 2013 - 被引用次数: 8 - [相关文章](#)

BACKGROUND: **Intestinal tuberculosis** (TB) and **Crohn's disease** closely resemble ... gene **expression** in colonic mucosa and peripheral blood mononuclear **cells** ... RESULTS: The mRNA **expression** of **interleukin-8** (IL-8), induced protein-10, ... and Toll-like **receptors** (TLR) **1** and 2 in the ulcerated mucosa was increased in ...

缺少字词: 22 multinucleated giant

### Granulomas of intestinal tuberculosis and Crohn's disease can be ...

<https://www.ncbi.nlm.nih.gov/pubmed/23625284> ▼ [翻译此页](#)

作者: R Banerjee - 2013 - 被引用次数: 16 - [相关文章](#)

2013年4月27日 - (1)Department of Medical Gastroenterology, Asian Institute of ... BACKGROUND: **Intestinal tuberculosis** (ITB) and **Crohn's disease** are similar granulomatous disorders. ... A recent **study** demonstrated recruitment of mesenchymal **cells** ... MSC marker CD73 was **expressed** around the granulomas of ITB ...

缺少字词: Interleukin- 22 receptor multinucleated giant

### Role of Monocytes and Intestinal Macrophages in Crohn's Disease ...

[https://www.researchgate.net/.../303635065\\_Role\\_of\\_Monocytes\\_and\\_Intest...](https://www.researchgate.net/.../303635065_Role_of_Monocytes_and_Intest...) - [翻译此页](#)

Article in Inflammatory **Bowel Diseases** 22(8):1 · May 2016 with 56 Reads ..... In the present **study**, we observed that macrophages play an important role in the ... IgG plasma cells mediated the activation of CD14 + macrophages via Fcγ **receptor**, which .... **Expression** and Different Capacities to Form **Multinucleate Giant Cells**.

### Osteopontin/Eta-1 upregulated in Crohn's disease regulates the Th1 ...

<https://gut.bmj.com/content/54/9/1254> - [翻译此页](#)

作者: T Sato - 2005 - 被引用次数: 118 - [相关文章](#)





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## Interleukin 22 - an overview | ScienceDirect Topics

<https://www.sciencedirect.com/topics/neuroscience/interleukin-22>

Interleukin-22. IL-22 was originally described as an IL-9-inducible gene and called IL-TIF ( 83 ). IL-22 activities include induction of the acute-phase response in hepatocytes. These activities are mediated through a heterodimeric receptor composed of the IL-22R subunit and the  $\beta$  chain of IL-10R ( 84 ).

## Multinucleated Giant Cells Are Specialized for Complement ...

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) › ... › Elsevier Sponsored Documents

Dec 01, 2015 · **Multinucleated giant cells** (MGCs) form by fusion of macrophages and are presumed to contribute to the removal of debris from tissues. In a systematic in vitro analysis, we show that IL-4-induced MGCs phagocytosed large and complement-opsonized materials more effectively than their unfused M2 macrophage precursors.

Cited by: 28

Author: Ronny Milde, Julia Ritter, Glenys A. Tenn...

Publish Year: 2015

## Multinucleated Giant Cells Are Specialized for Complement ...

[https://www.cell.com/cell-reports/fulltext/S2211-1247\(15\)01254-1](https://www.cell.com/cell-reports/fulltext/S2211-1247(15)01254-1) ▾

Macrophage-derived **multinucleated giant cells** (MGCs) form in diverse chronic inflammatory diseases, but their functional role remains unclear. Milde et al. show that MGCs are specialized for complement-mediated phagocytosis and destruction of large targets and demonstrate their key role in the therapeutic elimination of the pathogenic amyloid deposits in systemic amyloidosis.

Cited by: 28

Author: Ronny Milde, Julia Ritter, Glenys A. Tenn...

Publish Year: 2015

## Crohn's Disease: an Immune Deficiency State

[www.ncbi.nlm.nih.gov](http://www.ncbi.nlm.nih.gov) › ... › Europe PMC Author Manuscripts

Introduction. The underlying cause of the chronic **intestinal** inflammation that characterizes **Crohn's disease** remains heavily contested. While early theories focussed on potential infective etiologies, over the past three decades emphasis has shifted onto abnormalities of T cell function [1, 2]. A number of differences from healthy individuals have been described, but none proven to arise as ...

Cited by: 95

Author: Daniel J. B. Marks, Farooq Z. Rahman, G...

Publish Year: 2010

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### Granulomas in Crohn's disease: Are newly discovered genetic ...

<https://academic.oup.com/ecco-jcc/article/4/4/438/490342> - 翻译此页

作者: Y Mazor - 2010 - 被引用次数: 15 - 相关文章

Journal of **Crohn's** and **Colitis**, Volume 4, Issue 4, October 2010, Pages 438–443, .... <sup>21</sup>, <sup>22</sup>. More recently, genome wide association **studies** using single nucleotide ... including the **interleukin-23 receptor** (IL23R) gene, the autophagy related 16-like **1** ... cytoplasm) with or without accompanying **multinucleate giant cells**.

### Osteopontin/Eta-1 upregulated in Crohn's disease regulates the Th1 ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1774642/> ▼ 翻译此页

作者: T Sato - 2005 - 被引用次数: 119 - 相关文章

**Expression** of integrin  $\beta 3$ , an OPN **receptor**, on lamina propria mononuclear cells ... **Crohn's disease** (CD) is a chronic inflammatory bowel disease characterised by ... were obtained from inflamed mucosa of patients with **intestinal tuberculosis**. ..... consisting of macrophages, epithelioid cells, and **multinucleated giant cells**.

### Granulomas of intestinal tuberculosis and Crohn's disease can be ...

<https://www.ncbi.nlm.nih.gov/pubmed/23625284> ▼ 翻译此页

作者: R Banerjee - 2013 - 被引用次数: 17 - 相关文章

2013年4月27日 - (1)Department of Medical Gastroenterology, Asian Institute of ... BACKGROUND: **Intestinal tuberculosis** (ITB) and **Crohn's disease** are similar granulomatous disorders. ... A recent **study** demonstrated recruitment of mesenchymal **cells** ... MSC marker CD73 was **expressed** around the granulomas of ITB ...

缺少字词: Interleukin- 22 receptor multinucleated giant

### Tissue Interleukin 1 and Interleukin-1 Receptor Antagonist Expression ...

[https://www.gastrojournal.org/article/0016-5085\(94\)90755-2/pdf](https://www.gastrojournal.org/article/0016-5085(94)90755-2/pdf) - 翻译此页

作者: RD McCall - 1994 - 被引用次数: 132 - 相关文章

Cecal **interleukin 1** (11-I) and. 11-I **receptor** ... later in all rat strains **studied** to date; this inflammation ... with **Crohn's disease** and ulcerative colitis and correlate ... 9-22 A variety of stimuli, ... and IL- **1** ra in granulomas from Mycobacterium **tuberculosis**- ..... nuclear cell infiltrates (large arrow) and **multinucleated giant cells**.

### Generation of Multinucleated Giant Cells In Vitro by Culture of Human ...