

Expression of IL4, IL13-upregulated extra-cellular proteins

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Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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Literature references

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Reactome database release: 75

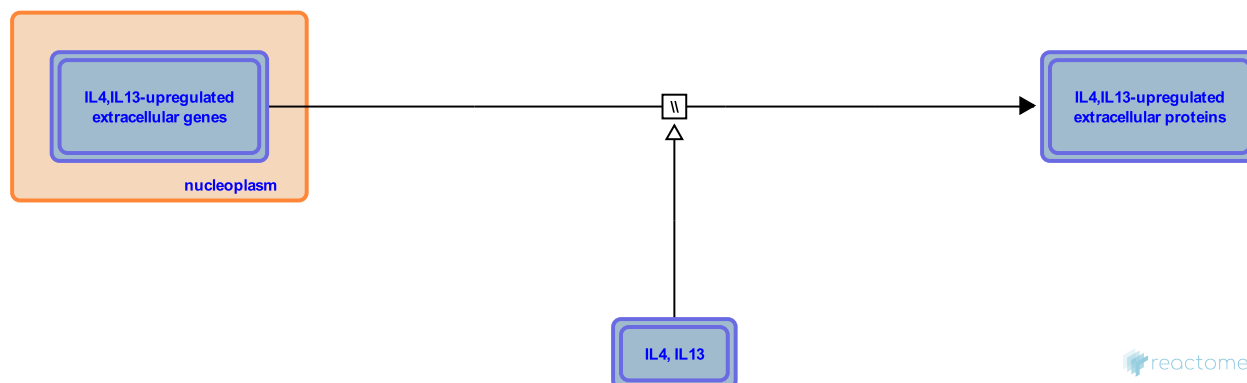
This document contains 1 reaction ([see Table of Contents](#))

Expression of IL4, IL13-upregulated extracellular proteins ↗

Stable identifier: R-HSA-6785895

Type: omitted

Compartments: extracellular region, nucleoplasm



In human peripheral blood monocytes IL4 and IL13 significantly upregulate the levels of several extracellular proteins involved in inflammatory resolution including fibronectin (FN1), coagulation factor XIII (FXIII), annexin 1 (ANXA1), collagen type 1 alpha 2 (COL1A2), laminin alpha-5 (LAMA5) and C-C motif chemokine 22 (CCL22) (Chaitidis et al. 2005, Jinnin et al. 2004, Yakubenko et al. 2011).

Literature references

Chaitidis, P., O'Donnell, V., Kuban, RJ., Bermudez-Fajardo, A., Ungethuen, U., Kühn, H. (2005). Gene expression alterations of human peripheral blood monocytes induced by medium-term treatment with the TH2-cytokines interleukin-4 and -13. *Cytokine*, 30, 366-77. ↗

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Editions

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