

Accepted Manuscript

Title: T helper 2 and T follicular helper cells: Regulation and function of interleukin-4

Author: Anupama Sahoo Shradha Wali Roza Nurieva

PII: S1359-6101(16)30039-9
DOI: <http://dx.doi.org/doi:10.1016/j.cytogfr.2016.03.011>
Reference: CGFR 936

To appear in: *Cytokine & Growth Factor Reviews*

Received date: 1-3-2016
Accepted date: 21-3-2016

Please cite this article as: <http://dx.doi.org/>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



T helper 2 and T follicular helper cells: Regulation and Function of Interleukin-4

Anupama Sahoo^{∞1,3}, Shradha Wali^{∞1,2}, Roza Nurieva^{1,2*}

¹Department of Immunology, M. D. Anderson Cancer Center, Houston, Texas 77030, USA

²The University of Texas Graduate School of Biomedical Sciences at Houston, Texas, USA

³Sanford Burnham Prebys Medical Discovery Institute, Orlando, Florida, USA

[∞]These authors contributed equally

*Correspondence: rnurieva@mdanderson.org (R.I.N.)

Abbreviations

Th2, T helper 2; Tfh, T follicular helper; IL, Interleukin; Ig, Immunoglobulin; STAT, signal transduction and activator of transcription; TCR, T cell receptor, NFAT, nuclear factor of activated T cells; IRF4, Interferon regulatory factor 4; ERK, extracellular signal-regulated kinase; ICOS, Inducible co-stimulator; CNS, conserved non-coding sequence; SLAM, signaling lymphocytic activation molecule; SAP, slam associated protein; GITR, glucocorticoid-induced tumor necrosis factor receptor; TSLP, thymic stromal lymphoprotein; AP, activating protein; TCF, T cell factor; Gfi, Growth factor independent; HS, hypersensitive sites; LCR, locus control region; GC, germinal center; Bcl6, B cell lymphoma 6; SEA, schistosome egg antigen; Batf, basic leucine zipper transcription factor ATF; VCAM, vascular cell adhesion molecule; MIP, macrophage inflammatory protein; NOD, non-obese diabetic.

Download English Version:

<https://daneshyari.com/en/article/8466404>

Download Persian Version:

<https://daneshyari.com/article/8466404>

[Daneshyari.com](https://daneshyari.com)