

Allergy-immunology glossary

Zeinab A. El-Sayed, Mohamad A. Sharaf

Pediatric Allergy and Immunology Unit, Children's Hospital, Ain-Shams University

Towards a clear designation of some of the terms used in allergology and immunology.

T helper 17 (Th17) cells	T helper 17 cells (Th17) are a subset of pro-inflammatory T helper cells generated from naïve CD4 ⁺ T cells and defined by their production of interleukin 17 (IL-17). Th17 cells play an important role in maintaining mucosal barriers and contributing to pathogen clearance at mucosal surfaces, but they have also been implicated in autoimmune and inflammatory disorders. The loss of Th17 cell populations at mucosal surfaces has been linked to chronic inflammation and microbial translocation. ¹	الخلايا المساعدة ٢ ١٧
Interleukin 17 (IL-17)	Interleukin 17 (IL-17) is a pro-inflammatory cytokine produced by T-helper cells and is induced by IL-23. To elicit its functions, IL-17 binds to a type 1 cell surface receptor called IL-17R. IL-17 acts as a potent mediator in delayed-type reactions by increasing chemokine production recruiting monocytes and neutrophils to the site of inflammation. In promoting inflammation, IL-17 has been demonstrated to act synergistically with TNF- α and IL-1 ³	انترلوكين ١٧ ^٢
Interleukin-23 (IL-23)	Interleukin-23 (IL-23) is a pro-inflammatory cytokine. involved in differentiation of Th17 cells in a pro-inflammatory context and especially in the presence of TGF- β and IL-6. Inflammatory macrophages express IL-23R and are activated by IL-23 to produce IL-1, TNF- α , and IL-23 itself. These effects identify IL-23 as a central cytokine in autoimmunity and a highly promising treatment target for inflammatory diseases. IL-23 is found in the skin of patients with psoriasis, in the bowel wall of patients with chronic inflammatory bowel disease, and in synovial membrane of patients with rheumatoid arthritis. ⁴	انترلوكين ٢٣ ^٢

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