

The role of T- helper cells in immune response with specific discussion on atopic allergy

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Abstrak

In the past couple of years, several studies have demonstrated that T- helper cells play an important role in the induction and reaction process of allergy. The T-helper cell (T-h) is a kind of T lymphocyte. At first, in the year 1921 Praustniz and Kustner, as quoted by Romagnani, stated the concept that allergy is an interaction between allergens and the IgE (Immunoglobulin E) specific antibody that is attached to IgE receptors on mast cells or mastocytes, which would then release its mediators. Other factors that also play a role in the development of allergy is lymphokine, produced by T-cells, which regulate IgE antibody production by the B-cell.¹ Lymphokine or cytokine is a hormone-like substance released by T-cells, B-cells, or other cells, that function as intercellular signaling substances in the regulation of immune responses towards outside stimuli.'