

Title (en)

SYNTHETIC PEPTIDE BASED IMMUNOGENS FOR THE TREATMENT OF ALLERGY

Title (de)

AUF SYNTHETISCHEN PEPTIDEN BASIERENDE IMMUNOGENE FÜR DIE BEHANDLUNG DER ALLERGIE

Title (fr)

IMMUNOGENES A BASE DE PEPTIDE SYNTHETIQUE POUR LE TRAITEMENT DE L'ALLERGIE

Publication

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Application

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- US 9503741 W 19950324

Abstract (en)

[origin: WO9526365A1] The present invention relates to a method for eliciting the production in healthy mammals, including humans, of high titer antibodies to an effector site in human IgE heavy chain, i.e. a site in the CH4 domain of the ELEMENT -chain, by the use of compositions of synthetic peptide immunogens in either a radially branching multimeric form (such as branching octameric or hexadecameric peptides) or a linearly arranged monomeric form, to inhibit mast cell activation and reduce allergen-induced IgE production. It also relates to the use of such "optimally" designer, carrier protein free, IgE ELEMENT -chain related immunogens as key components in a synthetic vaccine to provide an immunotherapy for the treatment of allergy. The subject peptides contain immune stimulator sequences, including a built-in helper T cell epitope tandemly linked in a specific orientation, to aid in stimulating the immune response towards the IgE CH4 domain.

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