

Publication

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Application

EP 91918631 A 19910905

Priority

US 57850690 A 19900906

Abstract (en)

[origin: WO9204049A1] Peptides having at least seven amino acids, preferably up to 20 amino acids, and most preferably 7 to 9 amino acids, comprising an amino acid sequence which corresponds to positions 180-186 of the Mycobacterium tuberculosis protein hsp 65 having the formula TFGLQLE, but differing therefrom by one to three amino acid substitutions in the positions 181-183, are disclosed. These peptides inhibit antigen recognition by T lymphocytes, such as recognition of hsp 65, and are capable of protecting a subject from an immune-related disease, such as autoimmune arthritis and to prevent rejection of a transplanted organ or tissue. Single amino acid substitutions, in particular with alanine, at positions corresponding to hsp 65 positions 183 and 181 are preferred. T cell lines specific for the above peptides and their use in treating or preventing immune-related disease is also disclosed.

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IPC 8 full level

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Citation (search report)

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- [X] SCHAICH ET AL: "CLONED PROTEOLIPID PROTEIN AND MYELIN BASIC PROTEIN CDNA", BIOLOGICAL CHEMISTRY HOPPE-SEYLER, vol. 367, 1986, BERLIN,DE, pages 825 - 834, XP008009587
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- See references of WO 9204049A1

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