

Title (en)

HUMAN ANTIBODIES TO T-CELL RECEPTOR PEPTIDES AND METHODS FOR THEIR PREPARATION

Title (de)

HUMANE ANTIKÖRPER GEGEN T-ZELLREZEPTORPEPTIDEN UND VERFAHREN ZU DERER HERSTELLUNG

Title (fr)

ANTICORPS HUMAINS POUR LES PEPTIDES RECEPTEURS DE LYMPHOCYTES T ET LEUR METHODE DE PREPARATION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9615153A1] Human antibody preparations enriched for antibodies that bind to human T-cell receptor peptide or conformational determinants are disclosed. Also disclosed are methods for making such antibody preparations from human plasma Cohn fractions by immunoaffinity purification using either recombinant Tcr protein or Tcr variable region peptides. Purification of Tcr antibodies from human or animal antibody mixtures is accomplished by immunoaffinity procedures using recombinant human T-cell receptor proteins. The affinity purified antibodies can bind to intact membrane-bound Tcr using fluorescence activated cell sorting (FACS) and can inhibit T-cell proliferation following stimulation by mitogen. Affinity purified human polyclonal antibodies can inhibit lytic activity of natural killer cells on a monoclonal T-cell line. The antibody preparations can be used for diagnosis, monitoring and therapy of various autoimmune-related syndromes.

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