Title (en)

EARLY DETECTION OF MYCOBACTERIAL DISEASE USING PEPTIDES

Title (de)

FRÜHERKENNUNG EINER MYCOBAKTERIELLEN ERKRANKUNG UNTER VERWENDUNG VON PEPTIDEN

Title (fr)

DETECTION PRECOCE DE MALADIES MYCOBACTERIENNES AU MOYEN DE PEPTIDES

Publication

EP 1463526 A2 20041006 (EN)

Application

EP 02759228 A 20020802

Priority

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• US 30918501 P 20010802

Abstract (en)

[origin: WO03012395A2] A number of protein and glycoprotein antigens secreted by *Mycobacterium tuberculosis* *(Mtb*) have been identified as "early"* Mtb* antigens on the basis early antibodies present in subjects infected with* Mtb* prior to the development of detectable clinical disease. Epitope-bearing peptide fragments of these early *Mtb* antigens, in particular of an 88 kDa secreted protein, GlcB (SEQ ID NO:106) and of *Mtb* antigen MPT51 (SEQ ID NO:107) have been identified. These peptides, variants thereof, peptide multimers thereof that include two or more repeats of one or more of the peptides, and fusion polypeptides that include early *Mtb* antigenic proteins, peptides or both, are useful in immunoassay methods for early, rapid detection of TB in a subject. Preferred immunoassays detect the antibodies in the subject's urine. Also provided are antigenic compositions, kits and methods to useful for detecting an early* Mtb* antibodies. The antigenic proteins and peptides are also used in vaccine compositions.

IPC 1-7

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