

Title (en)
EARLY DETECTION OF MYCOBACTERIAL DISEASE

Title (de)
FRÜHE ERKENNUNG VON MYCOBAKTERIELLEN ERKRANKUNGEN

Title (fr)
DEPISTAGE PRECOCE DES MALADIES MYCOBACTERIENNES

Publication
EP 0952849 A4 20040908 (EN)

Application
EP 97954653 A 19971229

Priority
• US 9724189 W 19971229
• US 3400396 P 19961231

Abstract (en)
[origin: WO9829132A1] A number of protein and glycoprotein antigens secreted by Mycobacterium tuberculosis (Mt) have been identified as "early" Mt antigens on the basis early antibodies present in subjects infected with Mt prior to the development of detectable clinical disease. These early Mt antigens, in particular an 88 kDa secreted protein having a pI of about 5.2 present in Mt lipoarabinomannan-free culture filtrate, a protein characterized as Mt antigen 85C; a protein characterized as Mt antigen MPT51, a glycoprotein characterized as Mt antigen MPT32; and a 49 kDa protein having a pI of about 5.1, are useful in immunoassay methods for early, rapid detection of TB in a subject. Also provided are antigenic compositions, kits and methods useful for detecting an early Mt antigen, an early Mt antibody, and immune complexes thereof. For the first time, a surrogate marker is available for inexpensive screening of individuals at heightened risk for developing TB, in particular HIV-1 infected subjects and other immunocompromised individuals.

IPC 1-7
A61K 39/04; **A61K 39/40**; **C12Q 1/00**; **G01N 33/53**; **G01N 33/554**; **G01N 33/569**

IPC 8 full level
A61K 39/04 (2006.01); **G01N 33/569** (2006.01)

CPC (source: EP)
A61K 39/04 (2013.01); **G01N 33/5695** (2013.01)

Citation (search report)
• [PX] WO 9734149 A1 19970918 - SVENSON STEFAN [SE]
• [X] US 5254459 A 19931019 - PATARROYO MANUEL E [CO]
• [A] WO 9208809 A1 19920529 - UNIV FLORIDA [US]
• [A] WO 9004041 A1 19900419 - DNA PLANT TECHN CORP [US]
• See references of WO 9829132A1

Designated contracting state (EPC)
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