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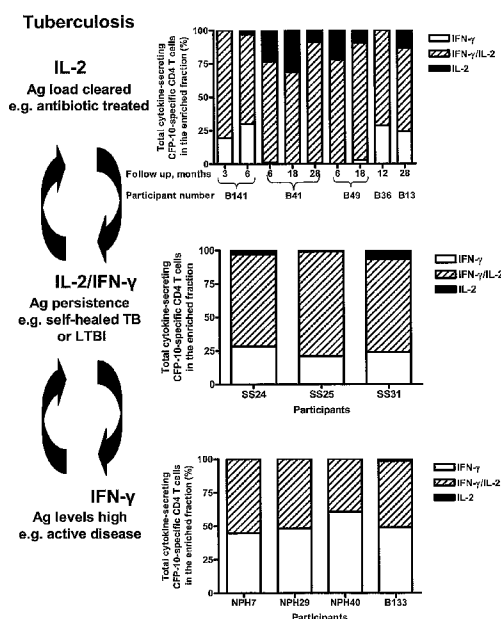
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(54) Title: CLINICAL CORRELATES



(57) Abstract: A method of assessing an intracellular pathogen infection and/or monitoring an intracellular pathogen infection in an individual comprises determining whether the individual has (a) T-cells that secrete IFN-γ only, (b) T-cells that secrete IL-2 only or (c) T-cells that secrete both IFN-γ and IL-2 in response to an intracellular pathogen antigen and optionally determining any change in this cytokine profile.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EMU BRINDA ET AL: "Phenotypic, functional, and kinetic parameters associated with apparent T-cell control of human immunodeficiency virus replication in individuals with and without antiretroviral treatment." JOURNAL OF VIROLOGY NOV 2005, vol. 79, no. 22, November 2005 (2005-11), pages 14169-14178, XP002448592 ISSN: 0022-538X abstract; figure 2 ----- -/--	1-4,7, 10,12, 14,15, 17,18, 20,26

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HARARI ALEXANDRE ET AL: "Functional heterogeneity of memory CD4 T cell responses in different conditions of antigen exposure and persistence." JOURNAL OF IMMUNOLOGY (BALTIMORE, MD. : 1950) 15 JAN 2005, vol. 174, no. 2, 15 January 2005 (2005-01-15), pages 1037-1045, XP002448593 ISSN: 0022-1767 abstract; figures 1-6 -----	1-5,7, 10,12, 14-18, 20,26-28
X	SEMMO NASSER ET AL: "Preferential loss of IL-2-secreting CD4+ T helper cells in chronic HCV infection." HEPATOLOGY (BALTIMORE, MD.) MAY 2005, vol. 41, no. 5, May 2005 (2005-05), pages 1019-1028, XP002448594 ISSN: 0270-9139 abstract; figures 1-5 -----	1,7,10, 12-20,26
X	BOURGARIT ANNE ET AL: "Explosion of tuberculin-specific Th1-responses induces immune restoration syndrome in tuberculosis and HIV co-infected patients." AIDS (LONDON, ENGLAND) 9 JAN 2006, vol. 20, no. 2, 9 January 2006 (2006-01-09), pages F1-F7, XP002448595 ISSN: 0269-9370 abstract; figure 1 -----	1-23, 25-28
A	DELGADO JULIO C ET AL: "Antigen-specific and persistent tuberculin anergy in a cohort of pulmonary tuberculosis patients from rural Cambodia." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 28 MAY 2002, vol. 99, no. 11, 28 May 2002 (2002-05-28), pages 7576-7581, XP002448596 ISSN: 0027-8424 abstract; figure 3 -----	1,26
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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TSUKAGUCHI K ET AL: "CD4+ alpha beta T cell and gamma delta T cell responses to Mycobacterium tuberculosis. Similarities and differences in Ag recognition, cytotoxic effector function, and cytokine production." JOURNAL OF IMMUNOLOGY (BALTIMORE, MD. : 1950) 15 FEB 1995, vol. 154, no. 4, 15 February 1995 (1995-02-15), pages 1786-1796, XP002448597 ISSN: 0022-1767 abstract	1
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T	----- MILLINGTON KERRY A ET AL: "Dynamic relationship between IFN-gamma and IL-2 profile of Mycobacterium tuberculosis-specific T cells and antigen load." JOURNAL OF IMMUNOLOGY (BALTIMORE, MD. : 1950) 15 APR 2007, vol. 178, no. 8, 15 April 2007 (2007-04-15), pages 5217-5226, XP002448599 ISSN: 0022-1767 the whole document	1-28
A	----- EWER K ET AL: "Comparison of T-cell-based assay with tuberculin skin test for diagnosis of Mycobacterium tuberculosis infection in a school tuberculosis outbreak" LANCET THE, LANCET LIMITED. LONDON, GB, vol. 361, no. 9364, 5 April 2003 (2003-04-05), pages 1168-1173, XP004784282 ISSN: 0140-6736 abstract	1