



(11) **EP 1 871 880 B8**

(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:  
**Corrected version no 1 (W1 B1)**  
**Corrections, see**  
**Bibliography INID code(s) 54**

(48) Corrigendum issued on:  
**12.09.2012 Bulletin 2012/37**

(45) Date of publication and mention  
of the grant of the patent:  
**08.08.2012 Bulletin 2012/32**

(21) Application number: **06728257.4**

(22) Date of filing: **10.04.2006**

(51) Int Cl.:  
**C12N 15/00 (2006.01) C07K 19/00 (2006.01)**  
**A61K 38/00 (2006.01)**

(86) International application number:  
**PCT/IL2006/000456**

(87) International publication number:  
**WO 2006/109303 (19.10.2006 Gazette 2006/42)**

(54) **CHIMERIC PROTEINS COMPRISING YERSINIA YOP, THEIR PREPARATION AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM**

YERSINIA YOP UMFASSENDE CHIMÄRE PROTEINE, DEREN HERSTELLUNG UND DIESE ENTHALTENDE PHARMAZEUTISCHE ZUSAMMENSETZUNGEN

PROTEINES CHIMERES COMPRENANT YERSINIA YOP, LEUR PREPARATION, ET COMPOSITIONS PHARMACEUTIQUES CONTENANT LESDITES PROTEINES

(84) Designated Contracting States:  
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR**  
Designated Extension States:  
**AL BA HR MK YU**

(30) Priority: **11.04.2005 IL 16795905**

(43) Date of publication of application:  
**02.01.2008 Bulletin 2008/01**

(73) Proprietor: **YEDA RESEARCH AND DEVELOPMENT CO., LTD.**  
**76100 Rehovot (IL)**

(72) Inventors:  
• **WALLACH, David**  
**76406 Rehovot (IL)**  
• **APPEL, Elena**  
**75491 Rishon Le Zion (IL)**

(74) Representative: **Vossius & Partner**  
**Siebertstrasse 4**  
**81675 München (DE)**

(56) References cited:  
**WO-A-98/56817 WO-A-99/52563**  
**WO-A-02/096467**

- **BOYD A P ET AL: "Yersinia enterocolitica can deliver Yop proteins into a wide range of cell types: Development of a delivery system for heterologous proteins" EUROPEAN JOURNAL OF CELL BIOLOGY, WISSENSCHAFTLICHE VERLAGSGESELLSCHAFT, STUTTGART., DE, vol. 79, no. 10, October 2000 (2000-10), pages 659-671, XP004954429 ISSN: 0171-9335**
- **COOMBES B K ET AL: "Insertion of the bacterial type III translocon: not your average needle stick" TRENDS IN MICROBIOLOGY, ELSEVIER SCIENCE LTD., KIDLINGTON, GB, vol. 13, no. 3, March 2005 (2005-03), pages 92-95, XP004768867 ISSN: 0966-842X**
- **CORNELIS GUY R: "Molecular and cell biology aspects of plague" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 97, no. 16, 1 August 2000 (2000-08-01), pages 8778-8783, XP002399287 ISSN: 0027-8424**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

**EP 1 871 880 B8**

- RUCKDESCHEL KLAUS ET AL: "Arginine-143 of *Yersinia enterocolitica* YopP crucially determines isotype-related NF-kappaB suppression and apoptosis induction in macrophages" *INFECTION AND IMMUNITY*, vol. 69, no. 12, December 2001 (2001-12), pages 7652-7662, XP002399288 ISSN: 0019-9567
- RAHMAN MASMUDUR M ET AL: "Modulation of tumor necrosis factor by microbial pathogens" *PLOS PATHOGENS*, vol. 2, no. 2, February 2006 (2006-02), pages 66-77 URL, XP002399289 ISSN: 1553-7366(print) 1553-7374(ele