

Title (en)
REAGENTS, METHODS AND KITS FOR DETECTING *i* BACILLUS THURINGIENSIS */i* PROTEINS

Title (de)
REAGENZIEREN, VERFAHREN UND KIT ZUR ERKENNUNG VON */i*-PROTEINEN DES *I*-BAZILLUS THURINGIENSIS

Title (fr)
REACTIFS, PROCÉDES ET KITS DE DÉTECTION DES PROTÉINES *i* BACILLUS THURINGIENSIS */i*

Publication
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Application
EP 00988118 A 20001215

Priority
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Abstract (en)
[origin: WO0145122A1] Epitopes, antibodies, methods and kits for the detection of Bt proteins in a sample are provided. The proteins to be detected are the Bt proteins known to those skilled in the art as the Cry1 Ab and Cry1 Ac proteins. The epitopes are antigenic peptides of these Bt proteins and are immunoreactive with the monoclonal antibodies 113L2 and 113I1. The epitopes are isolated or synthesized and administered to animals to produce anti-Bt monoclonal and polyclonal antibodies having superior sensitivity for Bt proteins. The antibodies are useful in immunoassay methods for the detection of genetically modified organisms that have been engineered to include a Bt gene.

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C07K 16/12; **G01N 33/569**

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C07K 16/1278 (2013.01); **G01N 33/56911** (2013.01)

Citation (search report)
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• [X] FEARING PATRICIA L ET AL: "Quantitative analysis of CryIA(b) expression in Bt maize plants, tissues, and silage and stability of expression over successive generations", MOLECULAR BREEDING, vol. 3, no. 3, 1997, pages 169 - 176, XP009029957, ISSN: 1380-3743
• [X] SAXENA D ET AL: "INSECTICIDAL TOXIN IN ROOT EXUDATES FROM BT CORN", NATURE, MACMILLAN JOURNALS LTD. LONDON, GB, vol. 402, 2 December 1999 (1999-12-02), pages 480, XP002940179, ISSN: 0028-0836
• [Y] DATABASE SWISSPROT [online] 1 January 1988 (1988-01-01), "Pesticidal crystal protein cry1Ab", XP002278063, Database accession no. P06578
• [Y] DATABASE SWISSPROT [online] 17 March 1997 (1997-03-17), "Cry1Ac delta-endotoxin (Bacillus thuringiensis)", XP002278064, Database accession no. AAB49768
• See references of WO 0145122A1

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