



341AN3

(Only cell products will be distributed)

INVESTIGATOR

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IMMUNOGEN

Substance

Name Actinomyces naeslundii ATCC 12104, Actinomyces oris strains ATCC 27044, ATCC 49339, ATCC 49340, WVU 627, B74, and Actinomyces johnsonii VPI 00 97W-3 (first injection), Actinomyces naeslundii strains C47, OMZ 195 and Actinomyces oris strains ATCC 27044, WVU 627 (second injection) and all these strains for the third injection.

Origin George Bowden, University of Manitoba, Winnipeg, CA David Bradshaw, P.H.L.S., Salisbury, UK, TJM van Steenberg, ACTA, Amsterdam, The Netherlands, and Robert Gibbons, Forsyth Dental Research Center, Boston, MA, USA.

Chemical Composition intact formalinized bacteria
Developmental Stage

IMMUNIZATION PROTOCOL

Donor Animal

Species mouse
Strain Balb/c
Sex female
Organ and tissue spleen

Immunization

Dates immunized 01 July, 22 July, and 05 August 1994
Amount of antigen approx. 10⁸ cells
Route of immunization intraperitoneal
Adjuvant none

FUSION

Date 08 August 1994
Myeloma cell line
Species mouse
Designation SP2/0-Ag14

MONOCLONAL ANTIBODY

Isotype IgG2b
Specificity
Cell binding yes
Immunohistology not tested
Antibody competition
Species Specificity Actinomyces oris (most strains tested)

ANTIGEN

Chemical properties
Molecular weight
Characterization
Immunoprecipitation
ELISA yes
Immunofluorescence yes, fimbrial antigen
Immunoblotting
Purification
Amino acid sequence analysis
Functional effects
Immunohistochemistry

(Continued)



DEVELOPMENTAL STUDIES HYBRIDOMA BANK

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341AN3 (Continued)

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*Cell lines will be distributed only with written consent from the director of the Institute of Oral Biology, University of Zuerich, Zuerich, Switzerland. Contact the DSHB for details (dshb@uiowa.edu).

PUBLICATIONS :

Thurnheer, T., Guggenheim, B., and Gmür, R. (1997). Characterization of monoclonal antibodies for rapid identification of *Actinomyces naeslundii* in clinical samples. *FEMS Microbiol. Lett.* 150, 255-262.

ACKNOWLEDGMENTS STATEMENT

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