



DEVELOPMENTAL STUDIES HYBRIDOMA BANK
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325AA2

(Only cell products will be distributed)

INVESTIGATOR

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IMMUNOGEN

Substance

Name Aggregatibacter actinomycetemcomitans, strains OMZ 542 (= IDH 781), IDH 328
Origin Prof. S. Asikainen, Univ. of Helsinki, Helsinki, Finland
Chemical Composition intact bacteria, pasteurized

Developmental Stage

IMMUNIZATION PROTOCOL

Donor Animal

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

Immunization

Dates immunized 20 September 1993, and 8 October 1993
Amount of antigen approximately 10^8 bacteria
Route of immunization intraperitoneal
Adjuvant none

FUSION

Date 13 December 1993

Myeloma cell line

Species mouse
Designation SP2/0-Ag14

MONOCLONAL ANTIBODY

Isotype IgG2b

Specificity

Cell binding yes
Immunohistology not tested
Antibody competition

Species Specificity

Aggregatibacter actinomycetemcomitans all bacteria (any serotype plus non-serotypable bacteria)

ANTIGEN

Chemical properties

Molecular weight

Characterization

Immunoprecipitation
Immunoblotting yes
Immunofluorescence yes
Purification
Amino acid sequence analysis

Functional effects

Immunohistochemistry

*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 :

Gmür, R. (1995). Value of new serological probes for the study of putative periodontal pathogens. Carol Stream, IL: Quintessence Publishing Co, Inc.

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- Gmür, R., and Thurnheer, T. (1996). Monoclonal antibodies for the rapid identification in clinical samples of *Peptostreptococcus micros* and *Actinobacillus actinomycetemcomitans* serotypes a, d, and e. *Med. Microbiol. Lett.* 5, 335-349.
- Gmür, R., and Baehni, P. (1997) Serum immunoglobulin G responses to various *Actinobacillus actinomycetemcomitans* serotypes in a young ethnographically heterogeneous periodontitis patient group. *Oral Microbiol. Immunol.* 12, 1-10.
- Suci, P., Kang, S., Gmür, R., Douglas, T., and Young, M. (2010). Targeted delivery of a photosensitizer to *Aggregatibacter actinomycetemcomitans* biofilm. *Antimicrob. Agents Chemother.* 54, 2489-2496.

ACKNOWLEDGMENTS STATEMENT

We have been asked by NICHD to ensure that all investigators include an acknowledgment in publications that benefit from the use of the DSHB's products. We suggest that the following statement be used:

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