



DEVELOPMENTAL STUDIES HYBRIDOMA BANK
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330AA3.2

(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 IgG3

Specificity

Cell binding yes

Immunohistology not tested

Antibody competition

Species Specificity Aggregatibacter actinomycetemcomitans serotype d

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.

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. (Continued)



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- 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.
- Mombelli, A., Gmür, R., Lang, N.P., Corbet, E., Frey, J. (1999). *Actinobacillus actinomycetemcomitans* in Chinese adults. Serotype distribution and analysis of the leukotoxin gene promoter locus. *J. Clin. Periodontol.* 26, 505-510.
- Gmür, R., Marinello, C.P., and Guggenheim, B. (1999). Periodontitis associated bacteria in supragingival plaque of dental hygienists: stability of carrier state and clinical development. *Eur. J. Oral Sci.* 107, 225-228.
- Kamma, J.J., Nakou, M., Gmür, R., and Baehni, P.C. (2004). Microbiological profile of early onset/aggressive periodontitis patients. *Oral Microbiol. Immunol.* 19, 314-321.
- Gmür, R., Wyss, C., Xue, Y., Thurnheer, T., and Guggenheim, B. (2004). Gingival crevice microbiota from Chinese patients with gingivitis or necrotizing ulcerative gingivitis. *Eur. J. Oral Sci.* 112, 33-41.

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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