



**328AA2.2**

(Only cell products will be distributed)

**INVESTIGATOR**

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**IMMUNOGEN**

**Substance**

**Name** Aggregatibacter actinomycetemcomitans, strains OMZ 542 (= IDH 781), IDH 328  
**Origin** 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** IgM

**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](mailto: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)



## DEVELOPMENTAL STUDIES HYBRIDOMA BANK

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### 328AA2.2 (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.
- 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.

### 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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