INVESTIGATOR
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IMMUNOGEN
Substance
Name   dental bacterial plaque (biofilm)
Origin   human
Chemical Composition   bacteria, bacterial products and serum
Developmental Stage   unknown but mostly mature

IMMUNIZATION PROTOCOL
Donor Animal
Species   mouse
Strain   Balb/c
Sex   female
Organ and tissue N/A
Immunization
Dates immunized winter 1986
Amount of antigen   38 micrograms boiled protein; repeated after 2 and 4 weeks
Route of immunization subcutaneously in the back – spread over 6 to 10 sites
Adjuvant   Freund’s/incomplete Freund’s

FUSION
Date
Myeloma cell line
Species   mouse
Designation   SP2/0 plasmacytoma cells

MONOCLONAL ANTIBODY
Isotype   IgM
Specificity
Cell binding   bacterial cell surface
Immunohistochemistry
Antibody competition
Species Specificity Strep. sanguis, Strep. mitis, Staph. epidermidis, Eikenella corrodens

ANTIGEN
Chemical properties E. corrodens lysine decarboxylase
Molecular weight 709 aa, mol wt 79,622 Dal.
Characterization
Immunoprecipitation no
Immunoblotting yes
Purification yes
Amino acid sequence analysis yes
Functional effects active enzyme
Immunohistochemistry not done
Note: we selected clone C7 for production

PUBLICATIONS:
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