autoanti-ssDNA

INVESTIGATOR
Name Edward W. Voss
Address 555 Hahaione Street #8H, Honolulu, HI 96825-1460.

IMMUNOGEN
Substance no immunogen involved; the NZB/NZW F1 mice are autoimmune and were fused when very sick
Name
Origin
Chemical Composition
Developmental Stage

IMMUNIZATION PROTOCOL
Donor Animal
Species mouse NZB/NZW F1
Strain F1
Sex female
Organ and tissue lymphocytes, spleenocytes
Immunization
Dates immunized no immunogen involved
Amount of antigen not applicable
Route of immunization not applicable
Adjuvant not applicable

FUSION
Date mid 1980s
Myeloma cell line
Species BALB/c Sp2/0 – Ag 14
Designation 16-19

MONOCLONAL ANTIBODY
Isotype IgG2a, kappa light chain
Specificity anti-single stranded DNA
Cell binding
Immunohistology
Antibody competition
Species Specificity no real species specificity involved, will react with all DNA regardless of source

ANTIGEN
Chemical properties monoclonal antibody reacts with nucleic acid bases, active site accommodates about 4 bases
Molecular weight
Characterization
Immunoprecipitation
Immunoblotting
Purification
Amino acid sequence analysis
Functional effects
Immunohistochemistry

PUBLICATIONS:
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:

“The (select: hybridoma, monoclonal antibody, or protein capture reagent,) developed by [Investigator(s) or Institution] was obtained from the Developmental Studies Hybridoma Bank, created by the NICHD of the NIH and maintained at The University of Iowa, Department of Biology, Iowa City, IA 52242.”

Please send copies of all publications resulting from the use of Bank products to:

Developmental Studies Hybridoma Bank
Department of Biology
The University of Iowa
028 Biology Building East
Iowa City, IA 52242