INVESTIGATOR
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IMMUNOGEN       early Caenorhabditis elegans embryos homogenized in M9 buffer

Substance
Name
Origin
Chemical Composition
Developmental Stage

IMMUNIZATION PROTOCOL
Donor Animal
Species       mouse
Strain        BALB/c
Sex           female
Organ and tissue
Immunization
Dates immunized  immunization 10/11/84, hyperimmunization 11/3/84
Amount of antigen  \( \approx 10^5 \) embryos worth or \( \approx 400 \) \( \mu g \) protein
Route of immunization  initial immunization intraperitoneal, hyperimmunization into tail vein
Adjuvant       Freund's complete with initial immunization

FUSION
Date        11/7/84
Myeloma cell line
Species       mouse
Designation   P3X63Ag8

MONOCLONAL ANTIBODY
Isotype       IgG2a
Specificity   by immunofluorescence microscopy, binds germ-line-specific P granules in living and fixed Caenorhabditis elegans worms and embryos
Cell binding
Immunohistology
Antibody competition
Species Specificity  planaria; does not immunostain germ granules in other nematodes (Caenorhabditis briggsae, Panagrellus redivivus, Ascaris) or in Drosophila or Xenopus

ANTIGEN
Chemical properties  the nature of the antigen recognized is presently unknown.
Molecular weight
Characterization
Immunoprecipitation  the antibody does not recognize a protein in whole worm homogenate, by either Western blot or immunoprecipitation.
Immunoblotting
Purification
Amino acid sequence analysis
Functional effects
Immunohistochemistry  microinjected antibody binds P granules in fixed specimens, after either methanol/acetone or aldehyde fixation

PUBLICATIONS:

(Continued)


ACKNOWLEDGMENTS STATEMENT

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