INVESTIGATOR
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IMMUNOGEN
Substance
Name: immunosuppressed against *Xenopus* embryos, immunized with *Xenopus* tadpole optic nerves and retinae
Origin: dounced fresh or frozen tissue
Chemical Composition: Developmental Stage
Xenopus stage 20 embryos for immunosuppression, *Xenopus* stage 45-53 optic nerves and retinae

IMMUNIZATION PROTOCOL
Donor Animal
Species: mouse
Strain: BALB/c
Sex: female
Organ and tissue: spleen
Immunization
Dates immunized: 12/3/85, immunosuppressed 12/5/85, 12/19/85, 1/7/86, 1/21/86
Amount of antigen: 100-200 µg
Route of immunization: IP
Adjuvant: complete Freund’s adjuvant followed by incomplete Freund’s adjuvant

FUSION
Date: 1/24/86
Myeloma cell line
Species: mouse
Designation: NS1

MONOCLONAL ANTIBODY
Isotype: IgM, kappa light chain
Specificity
Cell binding: appears membrane associated
Immunohistology: labels photoreceptors in vertebrate retina
Antibody competition: axolotl, salamander, frogs, turtle, chick, rat, hamster, squirrel, opossum, cat

ANTIGEN
Chemical properties
in *Xenopus* retina specific to photoreceptors (rods and cones)
Molecular weight: -
Characterization: -
Immunoprecipitation: -
Immunoblotting: -
Purification: -
Amino acid sequence analysis: -
Functional effects: none observed to date
Immunohistochemistry: yes, paraformaldehyde fixed tissue. labels photoreceptors in the retina also labels skin in *Xenopus* embryos and larvae

PUBLICATIONS:
ACKNOWLEDGMENTS STATEMENT

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