INVESTIGATOR
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IMMUNOGEN
Substance
Name  myosin
Origin  C. elegans
Chemical Composition  95% pure
Developmental Stage  heterogeneous

IMMUNIZATION PROTOCOL
Donor Animal
Species  mouse
Strain  BALB/c
Sex  male
Organ and tissue  spleen
Immunization
Dates immunized
Amount of antigen  50 micrograms
Route of immunization  IP
Adjuvant  50% Freund’s

FUSION
Date
Myeloma cell line
Species  mouse
Designation  S194/5.XX0.Bu.1

MONOCLONAL ANTIBODY
Isotype  IgG1
Specificity
Cell binding  central zone of A-bands of muscle cells in body wall and elsewhere; not in pharynx
Immunohistology  yes
Antibody competition
Species Specificity  C. elegans, others at higher concentration of antibody

ANTIGEN
Chemical properties  myosin heavy chain near the head/rod junction (S2)
Molecular weight  ~210 kDa
Characterization
Immunoprecipitation
Immunoblotting  yes
Purification
Amino acid sequence analysis  encoded by the myo-3 gene, 1969 amino acids
Functional effects  structural and motor protein in muscle
Immunohistochemistry  yes

PUBLICATIONS:
ACKNOWLEDGMENTS STATEMENT

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