INVESTIGATOR
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IMMUNOGEN
Substance
Name  neurofilaments
Origin  Wistar rat
Chemical Composition  semi-purified
Developmental Stage  adult

IMMUNIZATION PROTOCOL
Donor Animal
Species  mouse
Strain  BALB/c
Sex  female
Organ and tissue  spleen
Immunization
Dates immunized
Amount of antigen  100 µg protein per animal--several boosts
Route of immunization  i.p.
Adjuvant  Freund’s complete, followed by Freund’s incomplete for boosts

FUSION
Date
Myeloma cell line
Species  mouse
Designation  X63.Ag8.653

MONOCLONAL ANTIBODY
Isotype  IgG1
Specificity
Cell binding
Immunohistology
Antibody competition
Species Specificity  human, chicken, rat

ANTIGEN
Chemical properties
Molecular weight
Characterization
Immunoprecipitation
Immunoblotting
Purification
Amino acid sequence analysis
Functional effects
Immunohistochemistry  The antibody recognizes polyphosphorylated epitopes on neurofilaments, and to a lesser extent, on other molecules, e.g. rhodopsin and histones.

PUBLICATIONS:

(Continued)


**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:

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