INVESTIGATOR
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IMMUNOGEN
Substance
Name  reduced and alkylated rat chondrosarcoma proteoglycan monomer
Origin
Chemical Composition
Developmental Stage

IMMUNIZATION PROTOCOL
Donor Animal
Species  mouse
Strain  Balb/c
Sex  female
Organ and tissue  lymphocytes from lymph nodes near injection sites

Immunization
Dates immunized  injected at six sites with 0.5 ml of protein (200-800 µg protein/ml) and
Amount of antigen  0.5 ml complete Freund’s adjuvant on day 1; 0.5 ml Freund’s incomplete
Route of immunization  the mouse was sacrificed
Adjuvant  Freund’s

FUSION
Date  12/21/82
Myeloma cell line
Species  mouse
Designation  X63-Ag8.653

MONOCLONAL ANTIBODY
Isotype  IgG1
Specificity  recognizes hyaluronic acid binding region at the N-terminal end of rat
Cell binding  chondrosarcoma proteoglycan
Immunohistochemistry
Antibody competition  yes
cross-reacts with hyaluronic acid binding proteoglycan of rat, human, dog,
Species Specificity  bovine, pig, chicken and hagfish cartilage and non-cartilage tissue (e.g.
muscle and aorta)

ANTIGEN
Chemical properties
Molecular weight
Characterization
Immunoprecipitation
Immunoblotting
Purification
Amino acid sequence analysis  data available
Peptide mapping  yes
Functional effects
Immunohistochemistry  epitope will only be exposed after the proteoglycan has been reduced and alkylated

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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