



DEVELOPMENTAL STUDIES HYBRIDOMA BANK

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9/30/8-A-4

(Only cell products will be distributed.)

INVESTIGATOR

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IMMUNOGEN

Substance purified rat chondrosarcoma link protein 2

Name

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 (200-800µg protein/ml) and 0.5 ml complete

Amount of antigen Freund's adjuvant on day 3; 0.5 ml Dulbecco's PBS on days 6, 9, and 12; on

Route of immunization day 14 the mouse was sacrificed

Adjuvant

FUSION

Date 9/30/81

Myeloma cell line

Species mouse

Designation X63-Ag8.653

MONOCLONAL ANTIBODY

Isotype IgG2b

Specificity recognizes 2 epitopes in the polypeptide backbone of rat chondrosarcoma link protein

Cell binding

Immunohistology

Antibody competition

Species Specificity

recognizes link protein isolated from rat, bovine, human, chicken, rabbit, porcine, and canine hyaline cartilages

ANTIGEN

Chemical properties

Molecular weight ~ 40 kDa

Characterization 2 epitopes present in the C-terminal half of the link protein molecule

Immunoprecipitation yes

Immunoblotting yes

Purification yes

Amino acid sequence analysis data available

Functional effects

Immunohistochemistry in proteoglycan aggregates, epitopes are sequestered; the proteoglycan must be reduced and alkylated

PUBLICATIONS :

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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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