INVESTIGATOR
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IMMUNOGEN
Substance
Name: day 16 embryonic chicken type V collagen preparation
Origin
Chemical Composition
Developmental Stage

IMMUNIZATION PROTOCOL
Donor Animal
Species: mouse
Strain: BALB/cJ
Sex
Organ and tissue: spleen
Immunization
Dates immunized
Amount of antigen: 300 µg type V collagen solution/complete Freund's adjuvant i.p.; after one month 150 µg in the tail vein; repeat in 2 days; sacrifice in 2 days
Route of immunization
Adjuvant

FUSION
Date
Myeloma cell line
Species: mouse
Designation: SP2/0

MONOCLONAL ANTIBODY
Isotype: IgG1, kappa light chain
Specificity
Cell binding: binds to embryonic chicken endomysium and "myotendinous junctions"
Immunohistology
Antibody competition
Species Specificity: chicken, newt, and not rat

ANTIGEN
Chemical properties: large glycoprotein complex with several disulfide linked subunits (~150-240 kDa)
Molecular weight
Characterization
Immunoprecipitation: pepsin digested collagenase resistant fragment (~80 kDa)
Immunoblotting: does not work well on immunoblots from reduced SDS gels
Purification
Functional effects
Immunohistochemistry

PUBLICATIONS:


**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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