INVESTIGATOR
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IMMUNOGEN
Substance
Name fibronectin
Origin recombinant rat (V+C)- fibronectin
Chemical Composition (baculovirus clone)

IMMUNIZATION PROTOCOL
Donor Animal
Species mouse
Strain BALB/C
Sex mixed
Organ and tissue Immunization
Dates immunized
Amount of antigen
Route of immunization
Adjuvant

FUSION
Date 2000
Myeloma cell line
Species mouse
Designation SP 2/0

MONOCLONAL ANTIBODY
Isotype IgG1 (purification on Protein G Agarose)
Specificity
Cell binding not applicable
Immunohistology yes and ELISA
Antibody competition unknown
Species Specificity human, rat, canine (does not recognize equine fibronectin)

ANTIGEN
Chemical properties homo-dimer and monomer
Molecular weight ~180 kDa and 360 kDa
Characterization
Immunoprecipitation not tested
Immunoblotting yes
Purification sequential gelatin-affinity and heparin affinity columns
Amino acid sequence analysis within III-14 and the amino-terminal half of I-11 surrounding the splice junction
Functional effects increases binding to decorin; does not heterodimerize
Immunohistochemistry yes

PUBLICATIONS:
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:

"The (hybridoma or monoclonal antibody) developed by [Investigator(s)] was obtained from the Developmental Studies Hybridoma Bank developed under the auspices of the NICHD and maintained by The University of Iowa, Department of Biology, Iowa City, IA 52242."

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