INVESTIGATOR
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IMMUNOGEN
Substance
Name  cellular fibronectin
Origin  tertiary chick embryo fibroblasts grown in roller bottles fractionated by gelatin-Sepharose chromatography and homogenous by SDS-PAGE analysis

Developmental Stage

IMMUNIZATION PROTOCOL
Donor Animal
Species  mouse
Strain  BALB/cJ
Sex
Organ and tissue  spleen lymphocytes
Immunization
Dates immunized
Amount of antigen  100 µg cellular fibronectin incomplete Freund's adjuvant intraperitoneally; four weeks later
Route of immunization  100 µg cellular fibronectin intraperitoneally; sacrificed 3 days later
Adjuvant

FUSION
Date
Myeloma cell line
Species  mouse
Designation  SP2/0

MONOCLONAL ANTIBODY
Isotype  IgG2a, kappa light chain
Specificity
Cell binding
Immunohistology  avian plasma fibronectin and cellular fibronectin
Antibody competition
Species Specificity  specific for avian fibronectin

ANTIGEN
Chemical properties
Molecular weight  230 kDa polypeptide
Characterization
Immunoprecipitation  yes
Immunoblotting  yes
Purification
Amino acid sequence analysis
Functional effects
Immunohistochemistry  Day 11 chicken embryonic myoblasts have extracellular fibronectin fibrils 24 hours after plating. By day 6 of culture 50% of the myotubes have detectable fibronectin, 75% by day 10. There is some intracellular staining of myotubes.

PUBLICATIONS:


ACKNOWLEDGMENTS STATEMENT

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