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IMMUNOGEN
Substance: laminin-enriched fraction purified from Schwannoma conditioned medium
Name: extracellular matrix
Origin: medium conditioned by the Schwannoma D6P2T
Chemical Composition: partially purified preparation of laminin and laminin-binding molecules
Developmental Stage: the Schwannoma is a cell line

IMMUNIZATION PROTOCOL
Donor Animal: mouse
Species: Balb/C
Strain: female
Sex: spleen
Organ and tissue:
Immunization:
Dates immunized:
Amount of antigen:
Route of immunization: intra-peritoneal
Adjuvant: Ribi’s adjuvant for mice

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

MONOCLONAL ANTIBODY
Isotype: mouse IgM
Specificity: carbohydrate epitope on a synaptic form of entactin
Cell binding: rat neuromuscular junction and myotendinous junction; astrocytes in the rat CNS
Immunohistochemistry: fresh-frozen section of rat brain and muscles
Antibody competition:
Species Specificity: rat

ANTIGEN
Chemical properties: carbohydrate; removed by endoglycosidases
Molecular weight: entactin has a molecular weight of 150 kDa
Characterization:
Immunoprecipitation:
Immunoblotting: blots entactin
Purification:
Amino acid sequence analysis: entactin N-terminal sequence
Functional effects:
Immunohistochemistry: reacts with the extracellular matrix within the synaptic cleft at rat neuromuscular junctions

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 (select: hybridoma, monoclonal antibody, or protein capture reagent,) developed by [Investigator(s) or Institution] was obtained from the Developmental Studies Hybridoma Bank, created by the NICHD of the NIH and maintained at The University of Iowa, Department of Biology, Iowa City, IA 52242.”

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