INVESTIGATOR
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IMMUNOGEN
Substance
  Name  Dippu-AST 7 (an allatostatin)
  Origin  Diploptera punctata (cockroach)
  Chemical Composition  A-P-S-G-A-Q-R-L-Y-G-F-G-L-NH₂ (N-terminal coupled to BSA)
  Developmental Stage  adult

IMMUNIZATION PROTOCOL
Donor Animal
  Species  mouse
  Strain  Balb/c
  Sex  female
  Organ and tissue  spleen
Immunization
  Dates immunized
  Amount of antigen  20 μg
  Route of immunization  first inj. – subcut. with complete Freund’s adjuvant
                         2nd-4th inj. – i.p. with incomplete Freund’s adjuvant
  Adjuvant

FUSION
Date  12/1989
Myeloma cell line
  Species  mouse
  Designation  NS-1

MONOCLONAL ANTIBODY
Isotype  IgG1
Specificity
  Cell binding
  Immunohistology  +
  Antibody competition  see Stay et al. 1992 reference
  Species Specificity  many insect species, many invertebrates: snail, crab, earthworm

ANTIGEN
Chemical properties  Dippu-AST 7
  Molecular weight  1335.7
Characterization
  Immunoprecipitation
  Immunoblotting
  Purification
  Amino acid sequence analysis  + (see above)
  Functional effects  neuromodulation, myomodulation, endocrine modulation (inhibits JH synthesis)
  Immunohistochemistry  neural tissue, gut endocrine cells, ovary

PUBLICATIONS:
ACKNOWLEDGMENTS STATEMENT

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