C1B7

INVESTIGATOR
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IMMUNOGEN
Substance
  Name acetylcholinesterase (AChE)
  Origin human erythrocyte membrane

IMMUNIZATION PROTOCOL
Donor Animal
  Species mouse
  Strain BALB/cJ
  Sex female
  Organ and tissue spleen
Immunization
  Dates immunized day 1: 10 µg purified AChE, i.p.; day 30: 500 µg erythrocyte ghosts, i.p.; day 60: 500 µg erythrocyte ghosts, i.p.; day 120: 50 µg purified AChE, i.v.
  Amount of antigen complete Freund’s for initial immunization only
Route of immunization
  Adjuvant complete Freund’s for initial immunization only

FUSION
Date day 123
Myeloma cell line
  Species mouse
  Designation P3x63-Ag8-653

MONOCLONAL ANTIBODY
Isotype IgG1, kappa light chain
Specificity Cell binding erythrocyte ghosts
  Immunohistology
  Antibody competition
  Species Specificity human

ANTIGEN
Chemical properties acetylcholinesterase
Molecular weight 72 kDa monomers + oligomers
Characterization
  Immunoprecipitation yes
  Immunoblotting
  Purification
  Amino acid sequence analysis
Functional effects inhibits AChE activity up to 75%
Immunohistochemistry

PUBLICATIONS: