INVESTIGATOR
Name: Melinda Duncan
Address: Department of Biological Sciences, University of Delaware, Newark, DE 19716.

IMMUNOGEN
Substance
Name: Pop1 (BVES)
Origin: recombinant protein, chicken derived
Chemical Composition: Pop1 (BVES)-GST fusion protein

Developmental Stage

IMMUNIZATION PROTOCOL
Donor Animal
Species: Mus musculus
Strain: BALB/c
Sex: female
Organ and tissue

Immunization
Dates immunized: 10/19/00, 11/09/00, 02/07/01, 02/18/01
Amount of antigen: first 3 injections: 50 μg; final injection: 100 μg
Route of immunization: first 3 injections: subcutaneous; final injection: intravenous
Adjuvant: RIBI (Corixa, Hamilton, MT)

FUSION
Date: 02/21/01

Myeloma cell line
Species: Mus musculus
Designation: P3X63Ag8.653

MONOCLONAL ANTIBODY
Isotype: IgG2a, kappa light chain
Specificity
Cell binding: outer surface of chicken cardiomyocytes
Immunohistology: cardiac and skeletal muscle
Antibody competition
Species Specificity: chicken

ANTIGEN
Chemical properties: protein
Molecular weight: recognizes 58 kDa protein
Characterization
Immunoprecipitation: no
Immunoblotting: yes
Purification: yes
Amino acid sequence analysis
Functional effects
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 (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.”

Please send copies of all publications resulting from the use of Bank products to:

Developmental Studies Hybridoma Bank
Department of Biology
The University of Iowa
028 Biology Building East
Iowa City, IA  52242