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IMMUNOGEN
Substance
Name Caenorhabditis elegans embryos sonicated in M9 buffer
Origin Caenorhabditis elegans, N2 strain
Chemical Composition heterogeneous
Developmental Stage embryo

IMMUNIZATION PROTOCOL
Donor Animal
Species mouse
Strain BALB/c
Sex female
Organ and tissue spleen
Immunization
Dates immunized
Amount of antigen about 3 x 10^4 embryos / injection
Route of immunization intraperitoneal injection
Adjuvant complete Freund’s adjuvant for initial immunization (see the publication)

FUSION
Date 6/27/88
Myeloma cell line
Species mouse
Designation X63-Ag8, 6.5.3

MONOCLONAL ANTIBODY
Isotype IgA, kappa light chain
Specificity
Cell binding germ granules (P granules) and muscle cells in fixed C. elegans embryos (recognized two antigens)
Antibody competition
Species Specificity Caenorhabditis elegans (species cross-reaction is not tested)

ANTIGEN
Chemical properties
Molecular weight ~75 kDa

Characterization
Immunoprecipitation yes
Immunoblotting yes
Purification
Amino acid sequence analysis
Functional effects not tested
Immunohistochemistry yes

PUBLICATIONS:

Database of the immunofluorescence images of KT mAbs described in Takeda, et al. (2008).
http://www.edb.riken.jp/dge/KTmAbDB/KTtop.html
ACKNOWLEDGMENTS STATEMENT

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:

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