



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent: Anti-MuLV gp70 Hybridoma (273)

Catalog Number: 1279

Lot Number: 021996

Release Category: C

Provided: 1 mL frozen cells (3-5 x 10⁶)

Cell Type: C57BL/10 x P3-NS-1-Ag4/1

Propagation Medium: RPMI 1640, 90%; fetal bovine serum, 10%.

Freeze Medium: RPMI 1640, 40%; fetal bovine serum, 50%; DMSO, 10%.

Growth Characteristics: Addition of mouse spleen feeder cells (see attached instructions) is suggested for establishing these cells in culture.

Description [Thawing and Propagation of Hybridomas](#)

Special Characteristics: Produces an IgG2a monoclonal specific for ecotropic Friend, Rauscher, and Moloney MuLV gp70.

Sterility: Negative for bacteria, fungi, and mycoplasma.

Recommended Storage: Liquid nitrogen.

Contributor: Dr. Bruce Chesebro.

ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

References:

Chesebro B, Britt W, Evans K, Wehrly K, Nishio J, Cloyd M. Characterization of monoclonal antibodies reactive with murine leukemia viruses: use in analysis of Friend MCF and Friend ecotropic murine leukemia virus. *Virology* **127**:134-148, 1983.

Chesebro B, Wehrly K, Cloyd M, Britt W, Portis J, Collins J, Nishio J. Characterization of mouse monoclonal antibodies specific for Friend murine leukemia virus-induced erythro leukemia cells: Friend-specific and FMR-specific antigens. *Virology* **112**:131-144, 1981.

Chesebro B, Wehrly K. Different murine cell lines manifest unique patterns of interference to superinfection by murine leukemia viruses. *Virology* **14**:119-129, 1985.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-MuLV gp70 Hybridoma (273) from Dr. Bruce Chesebro." Also include the references cited below in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the NIH Office of Technology Transfer, Email: NIAIDAIDSReagent@niaid.nih.gov, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.

Research Chart

Hyb	Cat. #	Lot	Cells/vial	Cell Type	Specificity	Reference
500	1277	2 010692	2 x 10 ⁶	(Balb/c x A) F1 x P3-NS-1-Ag/4	Produces an IgG3 monoclonal reactive with Friend MCF-1 and with ecotropic Friend, Rauscher, and Moloney MuLV gp80.	1,2
715	1278	2 010692	6 x 10 ⁶	C57BL/10 x A.BY) F1 x P3-NS-1-Ag4/1	Produces a monoclonal reactive with Moloney MuLV gp70 envelope.	3
273	1279	5 021996	3-5 x 10 ⁶	C57BL/10 x P3-NS-1-Ag4/1	Produces an IgG2a monoclonal specific for ecotropic Friend, Rauscher, and Moloney MuLV gp70.	1,2

Last Updated

June 05, 2017

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