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DATA SHEET

Reagent:	Anti-HIV-1 gp160 Hybridoma (Chessie 13-39.1)
Catalog Number:	990
Lot Number:	110190
Release Category:	B
Provided:	5.0 x 10^6 cells/ml. Viability is 92%.
Propagation Medium:	RMPI 1640 supplemented with 50 µg/ml ß-mercaptoethanol, 100 U/ml penicillin, 100 µg/ml streptomycin, 90%; fetal bovine serum, 10%.
Freeze Medium:	Fetal bovine serum, 90%; DMSO, 10%.
Growth Characteristics:	Thaw cells quickly in a 37°C water bath and dilute with 15 ml of propagation medium warmed to 37°C. Centrifuge to remove DMSO. For exponential growth, maintain the cells at 2-5 x 10^5/ml and split every 1-2 days. Doubling time is 14 hours. Cells are hardy. Freeze cells at 10^6-10^7/ml. To obtain antibody, overgrow cells until they die. Yields about 10-20 µg antibody/ml.
Description	Balb/c mouse splenocyte x P3X63 Ag8.X653 myeloma. Chessie 13-39.1 produces an IgG1 monoclonal antibody that maps to aa 252-273 (RPVVSTQLLLNGSLAEEEVVIR) of LAI gp120.
Special Characteristics:	The antibody recognizes epitopes which survive alkylation and reduction. Antibody reactivities have been tested using the HIV-III_B isolate and its cloned env gene products.
Sterility:	Negative for mycoplasma, bacteria and fungi.
Recommended Storage:	Liquid nitrogen.
Contributor:	Dr. George K. Lewis.

References: Abacioglu YH, Fouts TR, Laman JD, Claassen E, Pincus SH, Moore JP, Roby CA, Kamin-Lewis R, Lewis GK. Epitope mapping and topology of baculovirus-expressed HIV-1 gp160 determined with a panel of murine monoclonal antibodies. *AIDS Res Hum Retroviruses* **10**:371-381, 1994.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-HIV-1 gp160 Hybridoma (Chessie 13-39.1) from Dr. George Lewis." Also include the reference cited above in any publications.

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