



## 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-HIV-1 gp41 Hybridoma (Chessie 8)

**Catalog Number:** 526

**Lot Number:** 160071

**Release Category:** B

**Provided:** 8.1 x 10<sup>6</sup> cells/vial  
Viability at thaw = 73%.

**Cell Type:** Balb/c mouse splenocyte x P3X63 Ag8.X653 myeloma.

**Isotype:** IgG1

**Propagation Medium:** Donor Provided Media: RPMI 1640 supplemented with 50 µM β-mercaptoethanol, 100 U/ml penicillin, 100 µg/ml streptomycin, 90%; fetal bovine serum, 10%.  
Current Lot Media: DMEM supplemented with 50 µM β-mercaptoethanol, 25 µg/mL gentamicin, 90%; fetal bovine serum, 10%.

**Freeze Medium:** Donor Provided Media: Fetal bovine serum, 90%; DMSO, 10%.  
Current Lot Media: DMEM, 80%; fetal bovine serum, 10%; 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. For exponential growth, maintain cells at 2-5 x 10<sup>5</sup>/ml and split every day or every other day. Doubling time is 14 hours. Cells are hardy. Freeze cells at 10<sup>6</sup>-10<sup>7</sup> per ml. To obtain antibody, overgrow cells until they die. Should obtain yield of 10-20 µg antibody per ml.

**Description** The Chessie 8 hybridoma produces an antibody that reacts with gp160 and is specific for gp41 as determined by ELISA and Western blot.

---

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.

**Special Characteristics:** The epitope has been mapped to aa 727-732 of LAI gp41 (PDRPEG). Antibody reactivities have been tested with HIV-1 IIIB 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: Chessie 8 from Dr. George Lewis (cat# 526)." Also include the reference cited above in any publications.

**Last Updated** July 30, 2018

---

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.