



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Anti-HIV-1 gp120 Monoclonal (902)

**Catalog Number:** 522

**Lot Number:** 110155

**Release Category:** C

**Provided:** 100 µg of Purified antibody at 1.0 mg/mL in PBS

**Description:** A monoclonal antibody to HIV-1 LAV and IIIB gp120

**Host:** Mouse

**Titer:** The user should determine the optimal concentration for any application.

**Special Characteristics:** This antibody was produced in cell culture and purified by Protein A/G chromatography. It originated from a hybridoma. The hybridoma was created by immunizing [B10.A (2R) x A.BY] F1 mice with Vaccinia virus expressing HIV gp160 and fusing the resulting splenocytes with NS1 cells. Please see the [LANL HIV Molecular Database](#) for more information.

This antibody neutralizes infectivity and reacts with cells expressing the envelope proteins of HIV-1 LAV and IIIB strains. It binds to the immunodominant hypervariable loop of gp120 (unpublished results). It does not recognize other HIV-1 strains.

The hybridoma used to produce this antibody, Anti-HIV-1 gp120 Hybridoma (902), is available to order. (See cat#: 521)

**Recommended Storage:** Keep the reagent at 4°C for short term storage and at -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.

**Contributor:** Dr. Bruce Chesebro

**Isotype:** IgG<sub>1</sub> κ

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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., & Wehrly, K. (1988). Development of a sensitive quantitative focal assay for human immunodeficiency virus infectivity. J Virol, 62(10), 3779-3788. [PUBMED](#)

Pincus, S. H., Wehrly, K., & Chesebro, B. (1989). Treatment of HIV tissue culture infection with monoclonal antibody-ricin A chain conjugates. J Immunol, 142(9), 3070-3075. [PUBMED](#)

**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 gp120 Monoclonal (902) from Dr. Bruce Chesebro." Also include the references cited above 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](mailto:NIAIDAIDSReagent@niaid.nih.gov), before the reagent can be released. Please specify the name and a description of the intended use of the reagent.**

**Last Updated** March 01, 2017

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