



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Anti-HIV-1 gp120 Monoclonal (654-30D)

**Catalog Number:** 7369

**Lot Number:** 020744

**Release Category:** E

**Provided:** 0.5 ml tissue culture supernatant (RPMI 1640, 15% FBS, 2 mM L-glutamine, 100 IU/ml penicillin, 100 µg/ml streptomycin). Concentration is 49.1 µg/ml.

**Host Site:** Human (EBV transformed B cell fused with heteromyeloma SHM-D33).

**Titer:** ELISA 1:1000.

**Special Characteristics:** This monoclonal antibody recognizes a discontinuous epitope on gp120 and its binding depends on the tertiary protein structure and intact carbohydrates (1). The epitope, though infrequently detected, is expressed on cells infected with various clades (2). Monoclonal antibody 654-30D blocks binding of soluble CD4 to recombinant gp120<sup>IIIB</sup> (1) and neutralizes laboratory isolates IIIB and primary isolate BZ167 at 2 µg/ml (3, 4). Specific for CD4bd region of gp120.

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

**Contributor:** Dr. Susan Zolla-Pazner.

**Isotype:** IgG<sub>1</sub>, I.

**References:** 1. Gorny MK, et al. *J Virol* **68**:8312-8320,1994. 2. Zolla-Pazner S, et al. *J Virol* **69**:3807-3815, 1995. 3. Laal S, et al. *J Virol* **68**:4001-4008, 1994. 4. Hioe CE, et al. *Int Immunol* **9**:1281-1290, 1997.

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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.

**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 (654-30D) from Dr. Susan Zolla-Pazner." Also include the references cited above in any publications. Limited to 1 aliquot per laboratory. Corporate requests should be directed in writing to Dr. Susan Zolla-Pazner at the Veterans Administration Medical Center, 423 East 23rd St., New York, NY 10010.

**Recipient must not use or incorporate the reagent for commercial purposes.**

**Last Updated**

April 15, 2015

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