



## 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 gp120 Monoclonal (17b)

**Catalog Number:** 4091

**Lot Number:** 060787

**Release Category:** A

**Provided:** 32.8 µg purified antibody, 0.328 mg/ml.

**Description:** Purified from culture supernatant by Protein A affinity chromatography. The storage buffer is phosphate-buffered saline (Ca<sup>++</sup>, Mg<sup>++</sup> free, pH7.4). No preservatives included.

**Host Site:** Human.

**Special Characteristics:** Obtained by EBV transformation of B cells from PBMCs of an asymptomatic HIV-1 infected individual. Antibody binds to moderately well conserved conformation-dependent epitope of HIV-1 gp120. Binding of antibody is significantly enhanced when gp120 is bound to CD4. The antibody has neutralizing activity against several laboratory strains of HIV-1 and some primary isolates.

**Recommended Storage:** -20°C

**Contributor:** Dr. James E. Robinson.

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

**References:** Thali M, et al. *J Virology* **67**:3978-3988, 1993.  
Wyatt R, et al. *J Virology* **69**: 5723-5733, 1995.  
Trkola A, et al. *Nature* **384**:184-187, 1996.  
Sullivan N, et al. *J Virology* **72**:4694-4703, 1998

---

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.

Wyatt R, et al. *Nature* **393**:648-704, 1998.

Kwong PD, et al. *Nature* **393**:705-710, 1998.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 gp120 Monoclonal Antibody (17b) from Dr. James E. Robinson." Also include the references cited above in any publications.

**Last Updated**

March 13, 2015

---

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.