



## 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:** HIV-1 gp120 mAb (7B2-AAA)

**Catalog Number:** 12557

**Lot Number:** 140153

**Release Category:** C

**Provided:** 50 µg at 1.0 mg/mL in phosphate buffered saline, pH 7.4

**Description:** Recombinant human antibody recognizing the gp41 region of HIV-1 envelope. The AAA backbone contains S298A/E333A/K334A mutations in IgG1 constant region, which have been shown to aid ADCC activity. This antibody was produced in CHO cells and purified using Protein A chromatography.

**Host:** Human

**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:** Duke Human Vaccine Institute, Duke University Medical Center

**Isotype:** IgG1

**References:** Zhang W, Godillot AP, Wyatt R, Sodroski J, Chaiken I (2001) Antibody 17b binding at the coreceptor site weakens the kinetics of the interaction of envelope glycoprotein gp120 with CD4. *Biochemistry* 40: 1662-1670.

**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 mAb (7B2-AAA) from Drs. Barton F. Haynes and Hua-Xin Liao." Also include the references cited above in any publication.

**Last Updated** December 08, 2015

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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.

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