



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Anti-HIV-1 gp120 Monoclonal (17b)

Catalog Number: 4091

Lot Number: 098208

Release Category: A

Provided: 100 µL affinity purified antibody at 1.0 mg/ml.

Description: Purified from culture supernatant by Protein A/G affinity chromatography.

Host Site: Human.

Titer: Detectable by ELISA at a dilution of 1:6000.

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.

Endotoxin: 39.011 EU/mL*

*NOTE: Endotoxin has been shown to induce chemokines and other soluble HIV and SIV inhibitory factors in primary cultures of PBMC, monocytes and macrophages (Verani et al., J Exp Med 185:805-816, 1997; J Immunol 168:6388-6396, 2002; Montefiori in preparation). Thus, caution is advised when using this reagent for in vitro studies involving primary cells.

Recommended Storage: -20°C

Contributor: Dr. James E. Robinson.

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.

Isotype: IgG₁.

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
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.

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