



NIH AIDS Reagent Program

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DATA SHEET

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

Catalog Number: 4091

Lot Number: 130303

Release Category: A

Provided: 500 µg affinity purified antibody at 5.0 mg/ml.

Description: Purified from culture supernatant by Protein A/G affinity chromatography. Endotoxin level is 8 EU/mg.

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: Avoid repeated freeze-thaw cycles. Thus, it is recommended to produce working stock aliquots and store at -80°C. Aliquots under current use can be stored at 4°C

Contributor: Dr. James E. Robinson.

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

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 K, 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

April 08, 2015

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