



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 Monoclonal Antibody (F425 B4a1)

Catalog Number: 7625

Lot Number: 032630

Release Category: C

Provided: 100 µg at 4.6 mg/ml in PBS. Purified from tissue culture supernatant by protein G chromatography. The antibody is stable at this concentration. If a less concentrated stock is needed, dilute the material no further than 1 mg/ml.

Description: Purified from tissue culture supernatant by protein G chromatography.

Host Site: EBV-transformed B cell x HMMA2.5 TG/O heteromyeloma.

Titer: Use at 10-20 µg/ml for flow cytometry.

Special Characteristics: Reacts with the V3 loop of gp120; neutralizes primary isolates.
Endotoxin: 12.554 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: 4°C. DO NOT FREEZE.

Contributor: Dr. Marshall Posner and Dr. Lisa Cavacini.

Isotype: IgG₁, lambda.

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.

References: Manuscript submitted.

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 (F425 B4a1) from Dr. Marshall Posner and Dr. Lisa Cavacini."

Requests from commercial organizations should be directed to Jodi Hecht, Technology Ventures Office, Beth Israel Deaconess Medical Center, 330 Brookline Avenue, Boston, MA 02215. Email: jehecht@bidmc.harvard.edu.

Last Updated March 25, 2014

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.