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# DATA SHEET

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| **Reagent:** | Anti-HIV-1 gp120 Monoclonal (39F) |
| **Catalog Number:** | 11437 |
| **Lot Number:** | 130057 |
| **Release Category:** | C |
| **Provided:** | 200 µg of purified antibody at 1.3 mg/ml in PBS pH 7.4. |
| **Host Site:** | Human EBV-transformed B cell fused to HMMA2.11TG/O heteromyeloma |
| **Titer:** | Not determined |
| **Special Characteristics:** | Derived by EBV transformation of B cells from PBMC's of an asymptomatic HIV-1 infected patient. Antibody binds to a linear epitope involving the N-terminal side of the V3 loop. 39F neutralizes a small proportion of HIV-1 Clade B primary isolates. |
| **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:** | Dr. James E. Robinson |
| **Isotype:** | IgG1 |
| **References:** | Kwong PD, Doyle ML, Casper DJ, Cicala C, Leavitt SA, Majeed S, Steenbeke TD, Venturi M, Chaiken I, Fung M, Katinger H, Parren PW, Robinson J, Van Ryk D, Wang L, Burton DR, Freire E, Wyatt R, Sodroski J, Hendrickson WA, Arthos J. HIV-1 evades antibody-mediated neutralization through conformational masking of receptor-binding sites. *Nature*. 2002 Dec **12420**(6916):678-82. [Abstract] [Full Text] |

Pantophlet R, Wilson IA, Burton DR. Improved design of an antigen with enhanced specificity for the broadly HIV-neutralizing antibody b12. *Protein Eng Des Sel*. 2004 Oct;**17**(10):749-58. [Abstract] [Full Text]

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-HIV-1 gp120 Monoclonal (39F) from Dr. James E. Robinson." Also include the reference cited above in any publications.

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact Dr. James E. Robinson, Tulane University HSC at email address jrobinso@tulane.edu and specify in the email the name of the reagent and a description of the intended use of the reagent.**

**Last Updated**

February 24, 2015