



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Anti-HIV-1 gp120 Monoclonal (VRC01)
Catalog Number:	12033
Lot Number:	120044
Release Category:	C
Provided:	500 µg purified antibody, lyophilized powder. The buffer is PBS with 0.02% Sodium Azide. Adding 125 µl of H ₂ O will restore the reagent to 1x PBS (4 mg/ml).
Description:	HIV-1 envelope monoclonal antibody directed towards the CD4-binding site of HIV-1 gp120. Purified by protein A sepharose column chromatography.
Host Site:	Human
Special Characteristics:	Broadly neutralizing HIV-1 antibody; active against all major subtypes. No cross-reactivity against host self or other antigens. Suggested working dilutions: ELISA, 5 µg/mL; HIV-1 neutralization, 10 µg/mL. Purity: >95%
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:	Xueling Wu, Zhi-Yong Yang, Yuxing Li, Gary Nabel, John Mascola
Isotype:	IgG ₁ , kappa
References:	Wu X, Yang ZY, Li Y, Hogerkorp CM, Schief WR, Seaman MS, Zhou T, Schmidt SD, Wu L, Xu L, Longo NS, McKee K, O'Dell S, Louder MK, Wycuff DL, Feng Y, Nason M, Doria-Rose N, Connors M, Kwong PD, Roederer M, Wyatt RT, Nabel GJ, Mascola JR. Rational design of envelope identifies broadly neutralizing human monoclonal antibodies to HIV-1. <i>Science</i> 2010;329(5993):856-61.

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.

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 (VRC01), from Dr. John Mascola." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact: The Office of Technology Development, NIAID, 6610 Rockledge Drive, Suite 2800, MSC 6606, Bethesda, MD, 20892-6606, Tel: 301-496-2644, Fax: 301-402-7123, before the reagent can be released.

Patent Pending

Last Updated

May 05, 2015

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