



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Anti-HIV-1 gp120 Monoclonal (VRC01)
Catalog Number:	12033
Lot Number:	110115
Release Category:	C
Provided:	100 µg purified antibody, at 1 mg/mL in PBS.
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
Titer:	ELISA (BaL gp120 protein), > 1:160,000
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

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:

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. *Science* 2010;329(5993):856-61.

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.

Limited to 2 aliquots per lab.

Patent Pending

Last Updated

May 05, 2015

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