

**Centre For AIDS Reagents**

**Data Sheet**

<b>REPOSITORY REFERENCE:</b>	<b>ARP3291</b>
<b>NAME:</b>	HIV-1 gp120 MAb (VRC01)
<b>CHARACTERISTICS:</b>	HIV-1 envelope monoclonal antibody directed towards the CD4-binding site of HIV-1 gp120. Purified by protein A sepharose column chromatography. Broadly neutralizing HIV-1 antibody; active against all major subtypes. No cross-reactivity against host self or other antigens. Suggested working dilutions: ELISA, 5µg/mL; HIV-1 neutralization, 10 µg/mL.
<b>ISOTYPE:</b>	IgG1, kappa
<b>PRESENTATION:</b>	125µg purified antibody (5mg/ml)
<b>BUFFER:</b>	PBS with 0.02% Sodium Azide. . <b>Limited to 2 aliquots per lab.</b>
<b>STORAGE:</b>	-20°C.
<b>SOURCE:</b>	Xueling Wu, Zhi-Yong Yang, Yuxing Li, Gary Nabel, <b>John Mascola</b>
<b>REFERENCES:</b>	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.
<b>NOTE:</b>	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
<b>ACKNOWLEDGEMENTS:</b>	Publications should acknowledge the donor of the reagent and the Centre for AIDS Reagents. Suggested wording can be found on our website in the "Acknowledgement" section at:-

[www.nibsc.org/science\\_and\\_research/virology/centre\\_for\\_aids\\_reagents.aspx](http://www.nibsc.org/science_and_research/virology/centre_for_aids_reagents.aspx)

Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR, this can be by e-mail or printed copy