

Centre for AIDS Reagents

Data Sheet

REPOSITORY REFERENCE:	ARP3289
NAME:	HIV-1 gp120 MAb (VRC03)
DESCRIPTION:	HIV-1 envelope monoclonal antibody directed towards the CD4-binding site of HIV-1 gp120. Purified by protein A sepharose column chromatography.
HOST:	Human
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, 50 µg/l.
TITER:	ELISA (BaL gp120 protein), 1:10,000
PURITY:	>95%
STORAGE:	-20°C
ISOTYPE:	IgG1, kappa
PRESENTATION:	100 µg purified antibody in PBS (Limited to 2 aliquots per lab)
SOURCE:	Xueling Wu, Zhi-Yong Yang, Yuxing Li, Gary Nabel, John Mascola
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.

NOTE:

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the office below before the reagent can be released:

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

ACKNOWLEDGEMENTS:

Publications should acknowledge the donor of the reagent and the Programme EVA Centre for AIDS Reagents. Suggested wording can be found on our website in the "Acknowledgement" section at:-

www.nibsc.ac.uk/spotlight/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.