Reagent: Anti-HIV-1 gp120 Monoclonal (VRC01)

Catalog Number: 12033

Lot Number: 120159

Release Category: C

Provided: 500 µg purified antibody, lyophilized powder. The buffer is PBS with 0.02% Sodium Azide. Adding 100 µl of H2O will restore the reagent to 1x 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

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: IgG1, kappa

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

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