Reagent: Anti-HIV-1 gp120 Monoclonal (VRC01)
Catalog Number: 12033
Lot Number: 160008
Release Category: C
Provided: 500 µg of purified antibody at 3 mg/mL in PBS, pH 7.2
Purity: ~95% by densitometric analysis of the Coomassie Blue-stained SDS-PAGE gel
Endotoxin Level: 0.8 EU/mg
Description: A recombinant monoclonal antibody to HIV-1 gp120, specifically the CD4-binding site
Host: Human
Titer: The user should determine the optimal concentration for any application.
Special Characteristics: This recombinant antibody was produced in a 293-6E expression system and purified by Protein A sepharose column chromatography. This antibody originates from the B-cells of a HIV-1 infected donor.
VRC01 neutralizes a broad variety of laboratory HIV-1 strains and primary isolates and is active against all major subtypes.
Recommended Storage: Keep the reagent at 4°C for short term storage and at -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 κ

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 (cat# 12033)." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact NIAID Technology Transfer and Intellectual Property Office at the following email address: NIAIDAIDSReagent@niaid.nih.gov, before the reagent can be released.

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