DATA SHEET

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

Catalog Number: 12033

Lot Number: 160229

Release Category: C

Provided: 500 µg of purified antibody at 1 mg/mL in PBS, pH 7.2
Purity: ~95% by densitometric analysis of the Coomassie Blue-stained SDS-PAGE gel
Endotoxin Level: 0.1 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

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.

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.

Last Updated December 19, 2018