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DATA SHEET

Reagent: Anti-HIV-1 gp120 Monoclonal (PG16)

Catalog Number: 12150

Lot Number: 180008

Release Category: E

Provided: 200 µg of purified antibody at 3.57 mg/mL in PBS

Description: A recombinant, broadly neutralizing monoclonal antibody (bnMAb) to HIV-1 gp120, specifically to the quaternary structure of V2.

Host: Chinese Hamster Ovary (CHO)

Titer: The user should determine the optimal concentration for any application.

Special Characteristics: This recombinant antibody was produced in a CHO cell expression system and purified by Protein A chromatography. This antibody originates from a HIV-1 subtype A infected individual in Kenya.

This antibody neutralizes a broad variety of laboratory HIV-1 strains and primary isolates.

Please see the [LANL Molecular Database](#) for more information.

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: IAVI

Isotype: IgG₁ λ

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.

References:

Walker, L. M., Phogat, S. K., Chan-Hui, P. Y., Wagner, D., Phung, P., Goss, J. L., . . . Burton, D. R. (2009). Broad and potent neutralizing antibodies from an African donor reveal a new HIV-1 vaccine target. *Science*, 326(5950), 285-289. doi:10.1126/science.1178746 [PUBMED](#)

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 (PG16) from IAVI." Also include the reference cited above in any publications.

Recipient must not use or incorporate the reagent for commercial purposes.

Last Updated

July 17, 2019

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