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DATA SHEET

Reagent: Anti-HIV-1 gp120 Monoclonal (3BNC117)

Catalog Number: 12474

Lot Number: 170365

Release Category: E

Provided: 500 µg of purified antibody at 1 mg/mL in PBS, pH 7.2 (sterile filtered and does not contain preservatives)
Endotoxin is 1.0 EU/mg
Purity = >95% by SDS PAGE Coomassie Stain

Description: A recombinant monoclonal antibody to HIV-1 gp120, specifically to the CD4 binding region of Env

Host: Human

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

Special Characteristics: This recombinant antibody was produced in a FreeStyle 239 expression system and purified using MEP capture and Protein G affinity purification. This antibody originates from an HIV-1 infected male from the United States.
This antibody potentially neutralizes a broad variety of laboratory HIV-1 strains and primary isolates.
Please see the [LANL HIV 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: Dr. Michel C. Nussenzweig

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.

Isotype: IgG

References: Shingai, M., Nishimura, Y., Klein, F., Mouquet, H., Donau, O. K., Plishka, R., . . . Martin, M. A. (2013). Antibody-mediated immunotherapy of macaques chronically infected with SHIV suppresses viraemia. *Nature*, 503(7475), 277-280. doi:10.1038/nature12746 [PUBMED](#)

Scheid, J. F., Mouquet, H., Ueberheide, B., Diskin, R., Klein, F., Oliveira, T. Y., . . . Nussenzweig, M. C. (2011). Sequence and structural convergence of broad and potent HIV antibodies that mimic CD4 binding. *Science*, 333(6049), 1633-1637. doi:10.1126/science.1207227 [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 (3BNC117) from Dr. Michel C. Nussenzweig." Also include the references cited above in any publications.

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

Last Updated April 22, 2019

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