



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Anti-HIV-1 gp120 Monoclonal (N6)
Catalog Number:	12968
Lot Number:	170032
Release Category:	C
Provided:	100 µg of purified antibody at 1.0 mg/mL in PBS, pH 7.2 (sterile filtered and does not contain preservatives) Endotoxin = 0.3 EU/mg by TAL method Purity = 95% estimated by densitometric analysis of the Coomassie Blue-stained SDS-PAGE gel
Description:	A recombinant monoclonal antibody to HIV-1 gp120, specifically to the CD4 binding site (CD4bs).
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 chromatography. This antibody originates from a HIV-1 infected donor with broad and potent neutralizing serum. This antibody 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. Mark Connors

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: IgG₁κ

References: Huang, J., Kang, B. H., Ishida, E., Zhou, T., Griesman, T., Sheng, Z., . . . Connors, M. (2016). Identification of a CD4-Binding-Site Antibody to HIV that Evolved Near-Pan Neutralization Breadth. *Immunity*, 45(5), 1108-1121. doi:10.1016/j.immuni.2016.10.027 [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 (N6), from Dr. Mark Connors." 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 NIH Office of Technology Transfer, Email: NIAIDAIDSReagent@niaid.nih.gov, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.

Last Updated July 03, 2017

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