



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Anti-HIV-1 gp120 Monoclonal (N6)
<b>Catalog Number:</b>	12968
<b>Lot Number:</b>	170120
<b>Release Category:</b>	C
<b>Provided:</b>	500 µg of purified antibody at 1.0 mg/mL in PBS, pH 7.2 (sterile filtered and does not contain preservatives)  Endotoxin = 0.1 EU/mg by LAL method  Purity = 95% estimated by densitometric analysis of the Coomassie Blue-stained SDS-PAGE gel
<b>Description:</b>	A recombinant monoclonal antibody to HIV-1 gp120, specifically to the CD4 binding site (CD4bs).
<b>Host:</b>	Human
<b>Titer:</b>	The user should determine the optimal concentration for any application.
<b>Special Characteristics:</b>	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 <a href="#">LANL HIV Molecular Database</a> for more information.
<b>Recommended Storage:</b>	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.
<b>Contributor:</b>	Dr. Mark Connors

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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<sub>1</sub>κ

**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](mailto: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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