



## NIH AIDS Reagent Program

20301 Century Boulevard  
Building 6, Suite 200  
Germantown, MD 20874  
USA

Phone: 240 686 4740  
Fax: 301 515 4015  
aidsreagent.org

### DATA SHEET

|                                 |   |
|---------------------------------|---|
| <b>Reagent:</b>                 | Anti-HIV-1 gp120 Monoclonal (PGT121)  |
| <b>Catalog Number:</b>          | 12343   |
| <b>Lot Number:</b>              | 170027  |
| <b>Release Category:</b>        | E   |
| <b>Provided:</b>                | 200 µg of purified antibody at 1 mg/mL in PBS, pH 7.2   |
| <b>Description:</b>             | A recombinant, broadly neutralizing monoclonal antibody (bnMab) to HIV-1 gp120, specifically to the N332-centered oligomannose patch on the V3 loop.  |
| <b>Host:</b>                    | Human   |
| <b>Titer:</b>                   | The user should determine the optimal concentration for any application.  |
| <b>Special Characteristics:</b> | <p>This recombinant antibody was produced in a FreeStyle 293 expression system and purified by Protein A affinity chromatography. This antibody originates and was sequenced from an individual that had been infected with HIV-1 for at least three years, was clinically asymptomatic and was not receiving antiretroviral therapy at the time of donation.</p> <p>Please see the <a href="#">LANL HIV Molecular Database</a> for more information.</p> |
| <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>             | IAVI  |
| <b>Isotype:</b>                 | IgG <sub>1</sub> λ  |

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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.

**References:** Walker, L. M., Huber, M., Doores, K. J., Falkowska, E., Pejchal, R., Julien, J. P., . . . Pognard, P. (2011). Broad neutralization coverage of HIV by multiple highly potent antibodies. *Nature*, 477(7365), 466-470. doi:10.1038/nature10373 [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 (PGT121) from IAVI." Also include the reference cited above in any publications.

**Last Updated** October 31, 2018

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