



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Anti-HIV-1 gp120 Monoclonal (PGT121)
<b>Catalog Number:</b>	12343
<b>Lot Number:</b>	170026
<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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