



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

Reagent:	Anti-HIV-1 gp120 Monoclonal (PGT128)
Catalog Number:	13352
Lot Number:	180009
Release Category:	E
Provided:	200 µg of purified antibody at 3.2 mg/mL in PBS
Description:	A recombinant, broadly neutralizing monoclonal antibody (bnMab) to HIV-1 gp120, specifically to the V3-glycan
Host:	Human
Titer:	The user should determine the optimal concentration for any application.
Special Characteristics:	<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 (CRF02_AG) for at least three years, was clinically asymptomatic and was not receiving antiretroviral therapy at the time of donation.</p> <p>Please see the LANL HIV Molecular Database for more information.</p>
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:	IAVI
Isotype:	IgG ₁ λ

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: Pejchal, R., Doores, K. J., Walker, L. M., Khayat, R., Huang, P. S., Wang, S. K., . . . Wilson, I. A. (2011). A potent and broad neutralizing antibody recognizes and penetrates the HIV glycan shield. *Science*, 334(6059), 1097-1103. doi:10.1126/science.1213256 [PUBMED](#)

Walker, L. M., Huber, M., Doores, K. J., Falkowska, E., Pejchal, R., Julien, J. P., . . . Poignard, 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 (PGT128) from IAVI." Also include the reference cited above in any publications.

Last Updated January 19, 2018

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.