



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Anti-HIV-1 gp120 Monoclonal (PGT145)
Catalog Number:	12703
Lot Number:	180224
Release Category:	E
Provided:	200 µg of purified antibody at 5 mg/mL in 1x PBS Endotoxin = 0 EU/mL
Description:	A recombinant, broadly neutralizing monoclonal antibody (bnMAb) to HIV-1 gp120, specifically to the quaternary structure of V1V2 of the HIV-1 envelope protein.
Host:	Human
Titer:	The user should determine the optimal concentration for any application.
Special Characteristics:	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. 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:	IAVI
Isotype:	IgG ₁ κ

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 (PGT145) from IAVI (cat# 12703)." Also include the reference cited above in any publications.

Recipient must not use or incorporate the reagent for commercial purposes.

Last Updated

March 12, 2020

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