



DATA SHEET

For research use only. Not for use in humans.

Reagent:	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) gp120 Protein (PGT145)
Catalog Number:	ARP-12703
Lot Number:	190527
Release Category:	E
Provided:	Each vial of ARP-12703 contains approximately 200 micrograms of purified antibody in sterile phosphate-buffered saline (PBS) at a concentration of 8.8 mg per mL. No preservatives were added.
Description:	ARP-12703 is a recombinant, broadly neutralizing monoclonal antibody to HIV-1 gp120, specifically to the quaternary structure of V1V2 of the HIV-1 envelope protein.
Host or Host Site:	Human
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 who 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 LANL HIV Molecular Database for more information.</p> <p>The user should determine the optimal concentration for any application.</p>
Recommended Storage:	Keep at 4°C only for short-term storage and -80°C for long-term storage. Avoid freeze-thaw cycles as reagent degradation may result.
Contributor:	International AIDS Vaccine Initiative (IAVI)
Isotype:	IgG1, kappa
References:	Walker, L. M., et al. "Broad Neutralization Coverage of HIV by Multiple Highly Potent Antibodies." <i>Nature</i> 477 (2011): 466-470. doi:10.1038/nature10373. PubMed: 21849977 .
Citation:	Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH: Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) gp120 Protein (PGT145), ARP-12703, contributed by International AIDS Vaccine Initiative." Also include the reference cited in any publications.
Biosafety Level: 1	Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. <i>Biosafety in Microbiological and Biomedical Laboratories</i> . 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm .
Disclaimers:	<p>You are authorized to use this product for research use only. It is not intended for use in humans.</p> <p>Use of this product is subject to the terms and conditions of the NIH HIV Reagent Program Material Transfer Agreement (MTA). The MTA is available on our Web site at www.hivreagentprogram.org.</p>



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