



## DATA SHEET

**For research use only. Not for use in humans.**

<b>Reagent:</b>	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) gp120 Protein (PGT126, produced <i>in vitro</i> )
<b>Catalog Number:</b>	ARP-12344
<b>Lot Number:</b>	180225
<b>Release Category:</b>	E
<b>Provided:</b>	Each vial of ARP-12344 contains approximately 200 micrograms of purified antibody in phosphate-buffered saline (PBS, pH 7.2) at a concentration of 1 mg per mL. Endotoxin content is 1.8 EU per mL.
<b>Description:</b>	ARP-12344 is a recombinant broadly neutralizing monoclonal antibody (bnMAb) to HIV-1 gp120, specifically to the N332-centered oligomannose patch of 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 at 4°C only for short term storage and -80°C for long term storage. Avoid freeze-thaw cycles as reagent degradation may result.
<b>Contributor:</b>	International AIDS Vaccine Initiative (IAVI)
<b>Isotype:</b>	IgG1, lambda
<b>References:</b>	Walker, L. M., et al. "Broad Neutralization Coverage of HIV by Multiple Highly Potent Antibodies." <i>Nature</i> 477 (2011): 466-470. PubMed: <a href="#">21849977</a> .
<b>Citation:</b>	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 (PGT126, produced <i>in vitro</i> ), ARP-12344, contributed by International AIDS Vaccine Initiative." Also include the reference cited in any publications.
<b>Biosafety Level: 1</b>	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. <a href="#">Biosafety in Microbiological and Biomedical Laboratories</a> . 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see <a href="http://www.cdc.gov/biosafety/publications/bmb15/index.htm">www.cdc.gov/biosafety/publications/bmb15/index.htm</a> .
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