



DATA SHEET

For research use only. Not for use in humans.

Reagent:	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) gp120 (PG9)
Catalog Number:	ARP-12149
Lot Number:	180221
Release Category:	E
Provided:	Each vial of ARP-12149 contains approximately 200 micrograms of purified antibody in phosphate-buffered saline (PBS) at a concentration of 2.5 mg /mL. The endotoxin content is 2 EU/mL.
Description:	ARP-12149 is a recombinant, broadly neutralizing monoclonal antibody to HIV-1 gp120, specifically to the quaternary structure of V1V2.
Host or Host Site:	Chinese Hamster Ovary (CHO)
Special Characteristics:	ARP-12149 originates from an HIV-1 subtype A1-infected individual in Kenya. It was produced in a CHO cell expression system and purified by Protein A chromatography. Please see the LANL HIV Molecular Database for more information. This antibody neutralizes a broad variety of laboratory HIV-1 strains and primary isolates.
Titer	The user should determine the optimal concentration for any application.
Recommended Storage:	Keep at 4°C only for short-term and -80°C for long-term storage. Avoid freeze-thaw cycles as reagent degradation may result.
Contributor:	International AIDS Vaccine Initiative (IAVI)
Isotype:	IgG1 λ
References:	Walker, L. M., et al. "Broad and Potent Neutralizing Antibodies from an African Donor Reveal a New HIV-1 Vaccine Target." <i>Science</i> 326 (2009): 285-289. PubMed: 19729618 .
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 (PG9), ARP-12149, 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. 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. Biosafety in Microbiological and Biomedical Laboratories (BMBL) . 6th ed. Washington, DC: U.S. Government Printing Office, 2020.
Disclaimers:	You are authorized to use this product for research use only. It is not intended for use in humans. 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 .



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