DATA SHEET

For research use only. Not for use in humans.

Reagent:	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) gp120 Protein (N6)
Catalog Number:	ARP-12968
Lot Number:	190415
Release Category:	C
Provided:	Each vial of ARP-12968 contains approximately 500 micrograms of purified antibody in sterile phosphate-buffered saline (PBS) at a concentration of 1.02 milligrams per milliliter. No preservatives were added.
Purity:	99.52% estimated by SEC-HPLC
Endotoxin Level:	0.1 EU per mg
Description:	ARP-12968 is a recombinant monoclonal antibody to HIV-1 gp120, specifically to the CD4 binding site (CD4bs). This antibody originates from an HIV-1 infected donor with broad and potent neutralizing serum and neutralizes a broad variety of laboratory HIV-1 strains and primary isolates.
Host or Host Site:	Human
Special Characteristics:	This recombinant antibody was produced in the Expi293F™ cell line and purified by Protein A affinity chromatography. Please see the LANL HIV Molecular Database for more information. The user should determine the optimal concentration for any application.
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:	Dr. Mark Connors
Isotype:	IgG1, kappa
References:	Huang, J., et al. "Identification of a CD4-Binding-Site Antibody to HIV that Evolved Near-Pan Neutralization Breadth." Immunity 45 (2016): 1108-1121. PubMed: 27851912.
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 (N6), ARP-12968, contributed by Dr. Mark Connors." 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. Biosafety in Microbiological and Biomedical Laboratories. 6th ed. Washington, DC: U.S. Government Printing Office, 2020; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.
Disclaimers:	You are authorized to use this product for research use only. It is not intended for use in humans.

NIH HIV Reagent Program
www.hivreagentprogram.org

E-mail: contact@HIVReagentProgram.org
Tel: 888-487-0727
Fax: 703-365-2898

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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Note:

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