

DATA SHEET

For research use only. Not for use in humans.

Reagent:	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) gp120 (257-D IV)
Catalog Number:	ARP-1510
Lot Number:	190198
Provided:	Each vial of ARP-1510 contains approximately 500 µg of purified antibody in phosphate-buffered saline (PBS) at a concentration of 1 mg/mL. Endotoxin content is 0.3 EU/mg. The purity is > 95% as determined by SDS-PAGE.
Description:	ARP-1510 is a recombinant anti-HIV-1 V3 monoclonal antibody that reacts with the epitope KRIHI of the V3 loop of human immunodeficiency virus type 1 (HIV-1) MN envelope glycoprotein (gp120).
Special Characteristics:	ARP-1510 cross-reacts with the V3 loop peptide (20-mer) of HIV-1 SF-2, NY5, and RF. Please see the Los Alamos database for more information.
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:	Dr. Susan Zolla-Pazner
Isotype:	IgG1λ
References:	Gorny, M. K., et al. "Repertoire of Neutralizing Human Monoclonal Antibodies Specific for the V3 Domain of HIV-1 gp120." <i>J. Immunol.</i> 150 (1993): 635-643. PubMed: 7678279 . Gorny, M. K., et al. "Production of Site-Selected Neutralizing Human Monoclonal Antibodies against the Third Variable Domain of the Human Immunodeficiency Virus Type 1 Envelope Glycoprotein." <i>Proc. Natl. Acad. Sci. USA</i> 88 (1991): 3238-3242. PubMed: 2014246 .
Citation:	Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) gp120 (257-D IV), ARP-1510."
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 (BMBL) . 6th ed. Washington, DC: U.S. Government Printing Office, 2020.
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Note:

ARP-1510 is limited to 1 aliquot per laboratory. Patent is pending. Corporate requests should be directed in writing to Dr. Susan Zolla-Pazner at the Icahn School of Medicine at Mount Sinai, One Gustave L. Levy Place, Box 1090, New York, NY 10029.

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

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