



DATA SHEET

For research use only. Not for use in humans.

Reagent:	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) Reverse Transcriptase (MAb 21)
Catalog Number:	ARP-3483
Lot Number:	70050030
Release Category:	C
Provided:	Each vial of ARP-3483 contains approximately 250 µl of ascites fluid.
Description:	ARP-3483 is a monoclonal antibody to HIV-1 reverse transcriptase (RT). It recognizes a central region of the protein, approximately between amino acids 290 and 310.
Host or Host Site:	Balb/c mouse splenocytes x NS-1 myeloma
Special Characteristics:	<p>ARP-3483 was produced using the mouse ascites method. The antibody originates from a hybridoma. The hybridoma was generated using Balb/c mouse splenocytes and NS-1 myeloma cells.</p> <p>It is recommended that ARP-3483 be used at a dilution of 1:200 to 1:1000 for western blot and traditional colorimetric detection and 1:500 and up for chemiluminescent detection. 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:	Dr. Stephen Hughes
Isotype:	IgG1
References:	<p>Ferris, A. L., et al. "Immunologic and Proteolytic Analysis of HIV-1 Reverse Transcriptase Structure." <i>Virology</i> 175 (1990): 456-464. PubMed: 1691562.</p> <p>Hizi, A., C. McGill and S. H. Hughes. "Expression of Soluble, Enzymatically Active, Human Immunodeficiency Virus Reverse Transcriptase in <i>Escherichia coli</i> and Analysis of Mutants." <i>Proc. Natl. Acad. Sci. USA</i> 85 (1988): 1218-1222. PubMed: 2448794.</p>
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) Reverse Transcriptase (MAb 21), ARP-3483, contributed by Dr. Stephen Hughes." Also include the references cited above 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/bmb15/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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