

DATA SHEET

For research use only. Not for use in humans.

Reagent:	Monoclonal Anti-Human Immunodeficiency Virus Type 1 (HIV-1) Reverse Transcriptase (8C4)
Catalog Number:	ARP-7373
Lot Number:	200329
Provided:	Each vial of ARP-3537 contains approximately 500 µg of purified, sterile filtered antibody in phosphate-buffered saline (PBS; pH 7.4) at a concentration of 1.051 mg/mL. Endotoxin content is 300-3000 EU/mg. The purity is 98% as determined by SDS-PAGE.
Host:	Balb/c mice (females), P3X63 Ag8.653 myeloma cells.
Description:	ARP-7373 is an anti- human immunodeficiency virus type 1 (HIV-1) reverse transcriptase (RT) monoclonal antibody.
Special Characteristics:	ARP-7373 was produced in cell culture and purified by Protein A chromatography. Recombinant HIV-1 (HXB2) RT was used as antigen. ARP-7373 reacts with p51 and p66 and inhibits RT activity. The hybridoma was generated using Balb/c mice (females) and P3X63 Ag8.653 myeloma cells.
Titer	The user should determine the optimal concentration for any application.
Isotype:	IgG1k
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. Dag E. Helland
References:	Szilvay, A. M., et al. "Epitope Mapping of HIV-1 Reverse Transcriptase with Monoclonal Antibodies that Inhibit Polymerase and RNase H activities." <i>J. Acquir. Immune Defic. Syndr.</i> 5 (1992): 647-657. PubMed: 1377241.
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) Reverse Transcriptase (8C4), ARP-7373."
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). Current Edition. Washington, DC: U.S. Government Printing Office.
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