



DATA SHEET

For research use only. Not for use in humans.

Reagent:	Monoclonal Anti-Simian Immunodeficiency Virus (SIV) SIVmac251 p17 (KK59, produced <i>in vitro</i>)
Catalog Number:	ARP-2320
Lot Number:	190128
Release Category:	B
Provided:	Each vial of ARP-2320 contains approximately 100 µg of purified antibody in phosphate-buffered saline (PBS, pH 7.4) at a concentration of 4.83 milligrams per milliliter.
Description:	ARP-2320 is a monoclonal antibody to SIVmac251 p17 protein.
Host or Host Site:	Mouse
Special Characteristics:	<p>ARP-2320 is a monoclonal antibody to SIVmac251 p17. It was produced in cell culture. It originates from a hybridoma. The hybridoma was created by immunizing Balb/c mice with a SIVmac251 p55 vaccinia recombinant (vAbT252), then boosting them with glutaraldehyde-fixed SIVmac 11/88 from C8166 cells. The resulting splenocytes were fused to NS-O myeloma cells.</p> <p>ARP-2320 reacts with an SIV p17 peptide corresponding to amino acids 11 to 30. It recognizes p17 from SIVmac251, SIVsm7, SIVsmmB670 and HIV-2 SBL.</p> <p>Suggested applications are enzyme-linked immunosorbent assay (ELISA) and western blot. 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:	Karen Kent and Caroline Powell (produced by CFAR, NIBSC)
Isotype:	IgG1
References:	Kent, K. A., et al. "Production and Characterization of Monoclonal Antibodies to Simian Immunodeficiency Virus Envelope Glycoproteins." <i>AIDS</i> 5 (1991): 829-836. PubMed: 1716442 .
Citation:	Acknowledgment for publications should read "The following reagent was obtained through the NIH HIV Reagent Program, Division of AIDS, NIAID, NIH and the Centre for AIDS Reagents, NIBSC, UK, supported by EURIPRED (EC FP7 INFRASTRUCTURES-2012 - INFRA-2012-1.1.5: Grant Number 31266) (www.euripred.eu): Monoclonal Anti-Simian Immunodeficiency Virus (SIV) SIVmac251 p17 (KK59, produced <i>in vitro</i>), ARP-2320 (CFAR# 3004), contributed by Dr. Karen Kent and Caroline Powell."
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/bmbl5/index.htm .
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