



## DATA SHEET

**For research use only. Not for use in humans.**

<b>Reagent:</b>	Monoclonal Anti-Simian Immunodeficiency Virus (SIV) SIVmac p27 Protein (KK64, produced <i>in vitro</i> )
<b>Catalog Number:</b>	ARP-2321
<b>Lot Number:</b>	200321
<b>Release Category:</b>	B
<b>Provided:</b>	Each vial of ARP-2321 contains approximately 100 µg of purified antibody at a concentration of 2.6 mg/mL in PBS, pH 7.2. The purified antibody was sterile-filtered prior to vialing. Purity is > 95% by densitometric analysis of the Coomassie Blue-stained SDS-PAGE gel under non-reducing conditions.
<b>Description:</b>	ARP-2321 is a monoclonal antibody to SIVmac protein p27.
<b>Host:</b>	Mouse (BALB/c)
<b>Titer:</b>	The user should determine the optimal concentration for any application.
<b>Special Characteristics:</b>	<p>This monoclonal antibody was produced in cell culture. It originates from a hybridoma. The hybridoma was created by immunizing BALB/c mice with a SIVmac251 gag 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. KK64 reacts with a SIV p27 peptide corresponding to amino acids 151-180. It recognizes p27 from SIVmac251, SIVsm7, SIVsmmB670 and HIV-2 SBL.</p> <p>Suggested applications are ELISA and western blot.</p>
<b>Recommended Storage:</b>	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.
<b>Contributor:</b>	Dr. Karen Kent and Miss Caroline Powell (produced by CFAR, NIBSC)
<b>Isotype:</b>	IgG1
<b>References:</b>	Kent, K. A., et al. "Production and of Monoclonal Antibodies to Simian Immunodeficiency Virus Envelope Glycoproteins." <i>AIDS</i> 5 (1991): 829-836. PubMed: <a href="https://pubmed.ncbi.nlm.nih.gov/1716442/">1716442</a> .
<b>Citation:</b>	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) ( <a href="http://www.euripred.eu">www.euripred.eu</a> ): Monoclonal Anti-Simian Immunodeficiency Virus (SIV) SIVmac p27 Protein (KK64, produced <i>in vitro</i> ), ARP-2321 (CFAR# 3005), contributed by Dr. Karen Kent and Caroline Powell." Also include the reference cited in any publications.
<b>Biosafety Level: 1</b>	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. <a href="#">Biosafety in Microbiological and Biomedical Laboratories</a> . 6th ed. Washington, DC: U.S. Government Printing Office, 2020.
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