

DATA SHEET

For research use only. Not for use in humans.

Reagent:	Monoclonal Anti-Simian Immunodeficiency Virus (SIV), SIVmac251 Nef Protein, Clone 17.2 (produced <i>in vitro</i>)
Catalog Number:	ARP-2659
Lot Number:	200229
Provided:	Each vial of ARP-2659 contains approximately 250 µL (1 mg/mL) of antibody in phosphate buffered saline (PBS; pH 7.4) containing 0.1% sodium azide.
Description:	ARP-2659 is a monoclonal antibody specific to the Nef protein of SIV-1. This antibody is mapped to amino acids 71-80 (-PAEEREKLAY-, SIV). The antibody was produced by <i>in vitro</i> culture of hybridoma and purified by protein G affinity purification. The hybridoma was generated by immunizing the mice with recombinant SIVmac251 Nef protein purified from <i>Escherichia coli</i> and fusing the immunized splenocytes with SP2 myeloma cells.
Host:	BALB/c splenocyte × SP2 myeloma
Special Characteristics:	ARP-2659 reacts with Nef of the SIVmac251 strain in ELISA, western blot, RNA immunoprecipitation (RIP) and immunohistochemistry assays. It also reacts with Nef of the SIVmac239 and SIVmac1A11 strains in immunofluorescence assays. Clone 17 is the alternate name for Clone 17.2.
Titer:	Western blot: 1 µg/mL End users should determine optimal concentrations to be used in assays.
Recommended Storage:	Keep at 4°C for short-term storage and -80°C for long-term storage. Avoid freeze-thaw cycles as reagent degradation may result.
Contributor:	Dr. Kai Krohn and Dr. Vladimir Ovod
Isotype:	IgG1
References:	Piguet, V., et al. "Mechanism of Nef-Induced CD4 Endocytosis: Nef Connects CD4 with the Mu Chain of Adaptor Complexes." <u>EMBO J.</u> 17 (1998): 2472-2481. PubMed: 9564030 . Chan, K. S., et al. "Nef from Pathogenic Simian Immunodeficiency Virus is a Negative Factor for Vaccinia Virus." <u>Proc. Natl. Acad. Sci. USA</u> 102 (2005): 8734-8739. PubMed: 15930136 .
Citation:	Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-Simian Immunodeficiency Virus (SIV), SIVmac251 Nef Protein, Clone 17.2 (produced <i>in vitro</i>), ARP-2659."
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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