



## NIH AIDS Reagent Program

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### DATA SHEET

<b>Reagent:</b>	Anti-SIVmac gp120 Monoclonal (KK45)
<b>Catalog Number:</b>	2318
<b>Lot Number:</b>	150141
<b>Release Category:</b>	B
<b>Provided:</b>	1 mL of culture supernatant
<b>Description:</b>	A monoclonal antibody to SIV gp120, specifically to the V3 region
<b>Host:</b>	Mouse
<b>Titer:</b>	The user should determine the optimal concentration for any application.
<b>Special Characteristics:</b>	<p>This antibody was produced in cell culture. It originates from a hybridoma. The hybridoma was created by immunizing Balb/c mice with a SIVmac251 gp160 vaccinia recombinant (vAbT253), then boosting with glutaraldehyde-fixed SIVmac 11/88 from C8166 cells. The resulting splenocytes were fused to NS-O myeloma cells.</p> <p>KK45 reacts with a SIV gp120 peptide corresponding to aa 311-340. It recognizes gp120 from SIVmac251, SIVsm3, SIVsm7, and SIVsmmB670.</p>
<b>Recommended Storage:</b>	Keep the reagent at 4°C for short term storage and at -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>	IgG <sub>2a</sub>

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

**References:** Kent, K. A., Rud, E., Corcoran, T., Powell, C., Thiriart, C., Collignon, C., & Stott, E. J. (1992). Identification of two neutralizing and 8 non-neutralizing epitopes on simian immunodeficiency virus envelope using monoclonal antibodies. *AIDS Res Hum Retroviruses*, 8(6), 1147-1151. doi:10.1089/aid.1992.8.1147 [PUBMED](#)

**NOTE:** Publications should acknowledge the contributor and the Centre for AIDS Reagents. Acknowledgments should read: "The Anti-SIVmac gp120 Monoclonal (KK45), NIH-ARP# 2318 (CFAR# 3302) was obtained from 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/](http://www.euripred.eu/) Also include the reference cited above in any publications.

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact NIBSC at the following email address: [CFAR@NIBSC.org](mailto:CFAR@NIBSC.org), before the reagent can be released.**

**Last Updated** June 12, 2018

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