



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Anti-SIVmac gp41 Monoclonal (KK41)
Catalog Number:	2317
Lot Number:	170028
Release Category:	B
Provided:	100 µg of purified antibody at 2.55 mg/mL in PBS
Description:	A monoclonal antibody to SIVmac251 gp41
Host:	Mouse
Titer:	The user should determine the optimal concentration for any application.
Special Characteristics:	<p>This antibody was produced in cell culture and purified. It originates from a hybridoma. The hybridoma was created by immunizing Balb/c mice with a SIVmac251 gp160 vaccinia recombinant (vAbT253), then boosting them with glutaraldehyde-fixed SIVmac 11/88 from C8166 cells. The resulting splenocytes were fused to NS-O myeloma cells.</p> <p>KK41 reacts with an SIV gp41 peptide for aa 601-620. It recognizes gp41 from SIV_{mac}251, SIV_{sm}3, SIV_{sm}7, SIV_{smm}B670, HIV-2_{SBL6669}, and HIV-2_{CBL-21}.</p> <p>Applications: ELISA, immunoblotting, RIPA, IFA, Immunohistochemistry</p>
Recommended Storage:	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.
Contributor:	Dr. Karen Kent and Miss Caroline Powell (Produced by CFAR, NIBSC)
Isotype:	IgG ₁

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 (KK41), NIH-ARP# 2317 (CFAR# 3044) 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/ 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, before the reagent can be released.

Last Updated June 12, 2018

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