



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Anti-SIVmac gp120 Monoclonal (KK45)

Catalog Number: 2318

Lot Number: 160239

Release Category: B

Provided: 1 mL of culture supernatant

Description: A monoclonal antibody to SIV gp120, specifically to the V3 region

Host: Mouse

Titer: The user should determine the optimal concentration for any application.

Special Characteristics: 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.

KK45 reacts with a SIV gp120 peptide corresponding to aa 311-343. It recognizes gp120 from SIVmac251, SIVsm3, SIVsm7, and SIVsmmB670.

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_{2a} κ

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., Gritz, L., Stallard, G., Cranage, M. P., Collignon, C., Thiriart, C., . . . Stott, E. J. (1991). Production and of monoclonal antibodies to simian immunodeficiency virus envelope glycoproteins. *AIDS*, 5(7), 829-836. [PUBMED](#)

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/ 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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