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DATA SHEET

Reagent:	Anti-HIV-1 gp120 Monoclonal (A32)
Catalog Number:	11438
Lot Number:	160100
Release Category:	C
Provided:	500 µg of purified antibody at 1.0 mg/mL in PBS, pH 7.4. EU = 1500-3000 EU/mg by TAL Purity= 99% by SDS-PAGE
Description:	This antibody binds to a CD4i epitope of various HIV-1 gp120s.
Host:	Human EBV-transformed B cell fused to HMMA2.11TG/O heteromyeloma
Special Characteristics:	Derived by EBV transformation of B cells from PBMC's of an asymptomatic HIV-1 infected patient. Antibody binds to a very highly conserved conformation-dependent epitope of HIV-1 gp120. Binding of A32 to gp120 enhances binding of CD4i antibodies. The A32 epitope is sensitive to amino acid substitution in the C1 and C4 domains. This antibody lacks neutralizing activity.
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. James E. Robinson
Isotype:	IgG1
References:	Moore JP, Thali M, Jameson BA, Vignaux F, Lewis GK, Poon SW, Charles M, Fung MS, Sun B, Durda PJ, et al. Immunochemical analysis of the gp120 surface glycoprotein of human immunodeficiency virus type 1: probing the structure of the C4 and V4 domains and the interaction of the C4 domain with the V3 loop. *J Virol.* 1993 Aug;**67**(8):4785-96. [Abstract] [PDF]

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.

Wyatt R, Moore J, Accola M, Desjardin E, Robinson J, Sodroski J. Involvement of the V1/V2 variable loop structure in the exposure of human immunodeficiency virus type 1 gp120 epitopes induced by receptor binding. 1: *J Virol.* 1995 Sep;**69**(9):5723-33. [Abstract] [Full Text]

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 gp120 Monoclonal Antibody (A32)(Cat#11438) from Dr. James E. Robinson." Also include the reference cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact Dr. James E. Robinson, Tulane University HSC at email address jrobinso@tulane.edu and specify in the email the name of the reagent and a description of the intended use of the reagent.

Last Updated September 20, 2017

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