



NIH AIDS Reagent Program

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DATA SHEET

Reagent: D5 Monoclonal antibody (HIV Env gp41)

Catalog Number: 12296

Lot Number: 120220

Release Category: E

Provided: 510 µg in 60 µL. Concentration is 8.5 mg/ mL.

Description: HIV neutralizing monoclonal antibody which recognizes the highly conserved 3-helical fusion intermediate of HIV Env gp41 domain.

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. Danilo Casimiro

References:

1. Miller, DM, et al (2005) A human monoclonal antibody neutralizes diverse HIV-1 isolates by binding a critical gp41 epitope Proc. Natl. Acad. Sci. U.S.A. 102: 14759-14764.
2. Luftig, MA, et al (2006) Structural basis for HIV-1 neutralization by a gp41 fusion intermediate-directed antibody Nat. Struct. Biol. 13: 740-747.
3. Montgomery DL, Wang YJ, Hrin R, Luftig M, Su B, Miller MD, Wang F, Haytko P, Huang L, Vitelli S, Condra J, Liu X, Hampton R, Carfi A, Pessi A, Bianchi E, Joyce J, Lloyd C, Geleziunas R, Bramhill D, King VM, Finnefrock AC, Strohl W, An Z. Affinity maturation and characterization of a human monoclonal antibody against HIV-1 gp41. MABS. 2009 Sep-Oct;1(5):462-74.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH from Dr. Danilo Casimiro: D5(HIV Env gp41)Monoclonal Antibody, Cat#12296."

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.

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