



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Anti-HIV-1 gp41 Monoclonal (4E10)

Catalog Number: 10091

Lot Number: 160180

Release Category: A

Provided: 250 µg of purified antibody at 1.2 mg/mL in 2 mM acetic acid, 10% maltose (sterile and does not contain preservatives)

Description: A recombinant monoclonal antibody to HIV-1 gp41 (epitope: NWFDTIT)

Host: Human

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

Special Characteristics: This antibody was produced in a recombinant CHO cell expression system and purified by protein A affinity chromatography. This antibody originates from a HIV-1 positive human donor. Please see the [LANL HIV Molecular Database](#) for more information.

This antibody neutralizes a broad variety of laboratory HIV-1 strains and primary isolates.

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: DAIDS, NIAID (Produced by Polymun Scientific)

Isotype: IgG₁ 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: Stiegler, G., Kunert, R., Purtscher, M., Wolbank, S., Voglauer, R., Steindl, F., & Katinger, H. (2001). A potent cross-clade neutralizing human monoclonal antibody against a novel epitope on gp41 of human immunodeficiency virus type 1. *AIDS Res Hum Retroviruses*, 17(18), 1757-1765. doi:10.1089/08892220152741450 [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Anti-HIV-1 gp41 Monoclonal (4E10) from Polymun Scientific." Also include the references cited above in any publications.

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