



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	Anti-HIV-1 gp41 Monoclonal (4E10)
Catalog Number:	10091
Lot Number:	150114
Release Category:	A
Provided:	250 µg of purified antibody at 1 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:	<p>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.</p> <p>This antibody neutralizes a broad variety of laboratory HIV-1 strains and primary isolates.</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:	DAIDS, NIAID (Produced by Polymun Scientific)
Isotype:	IgG ₁ 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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