



NIH AIDS Reagent Program

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DATA SHEET

Reagent: pHxB2 Env V570A

Catalog Number: 12289

Lot Number: 120221

Release Category: E

Provided: 16.8 µg of dried purified DNA stabilized in DNastable *Plus*

Description: The mutation renders the virus more susceptible to antibodies, antivirals which bind to the fusion intermediate of HIV Env. For this reason, it provides a sensitive indicator virus for measuring serum neutralization in samples from gp41 vaccinated animals.

Special Characteristics: This construct is approximately 16384 bp including the insert.
The virus cannot be passaged in PBMC because the mutation is not stable. For this reason, viral stocks are prepared each time by transfecting 293 cells.
[Sequence file lot 120221](#)
This reagent is currently being provided as dried purified DNA stabilized in DNastable *Plus*. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. [Dried DNA Notice](#)

Recommended Storage: Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

Contributor: Dr. Danilo Casimiro

References: Bianchi E, Joyce JG, Miller MD, Finnefrock AC, Liang X, Finotto M, Ingallinella P, McKenna P, Citron M, Ottinger E, Hepler RW, Hrin R, Nahas D, Wu C, Montefiori D, Shiver JW, Pessi A, Kim PS. Vaccination with peptide mimetics of the gp41 prehairpin fusion intermediate yields neutralizing antisera against HIV-1 isolates. Proc Natl Acad Sci U S A. 2010 Jun 8;107(23):10655-60.

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.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pHxB2 Env V570A, Cat# 12289 from Dr. Danilo Casimiro." Also include the reference cited above in any publications.

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Last Updated:

February 12, 2019

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