

## NIH AIDS Reagent Program

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## **DATA SHEET**

Reagent: pHxB2 Env V570A

Catalog Number: 12289

Lot Number: 120221

**Release Category:** Е

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

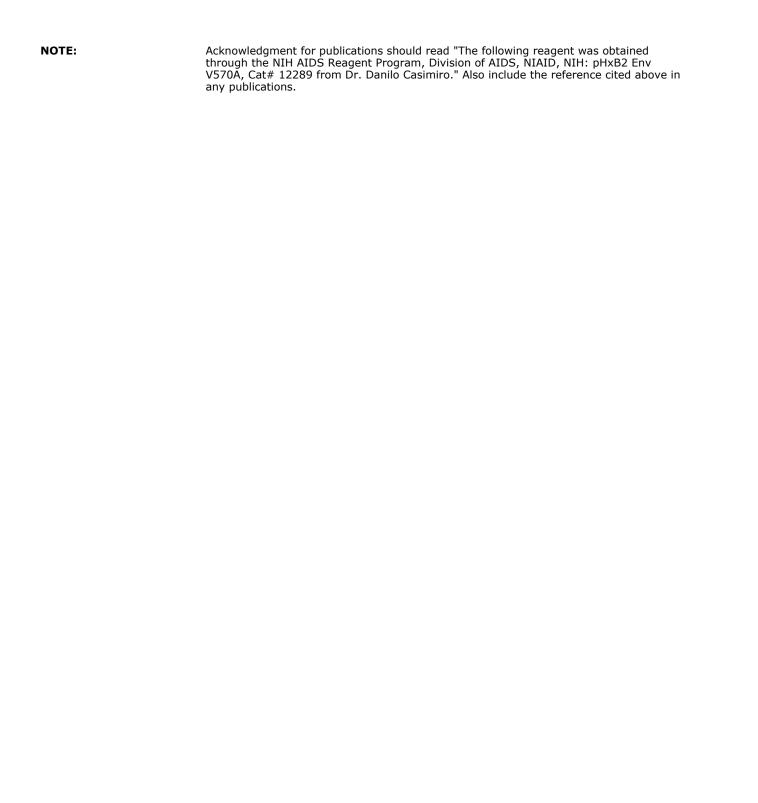
References:

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.

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Last Updated:	February 12, 2019
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