



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 Principal Neutralizing Domain Peptide

Catalog Number: 864

Lot Number: 130401

Provided: 1 mg, lyophilized.

Sequence: YNKRKRIHIQRGPGRAFYTTKNII(C). Has an added COOH-terminal cysteine.

Purity: HPLC purity: 95.6%, Peptide content 63.1%.

HPLC Purity: 95.6

Solubility: Water soluble.

Special Characteristics: Residues 306-327 of gp120 from MN, plus the QR sequence from IIIB inserted before the GPG tripeptide. Has an added COOH-terminal cysteine.
Includes the highly conserved GPGRAF sequence in the principal neutralizing domain of gp120.

Molecular Weight: 3034.0

Recommended Storage: -20°C.

Contributor: Dr. Anita Hong, BioServ Labs, Inc.

References: LaRosa GJ, Davide JP, Weinhold K, Waterbury JA, Profy AT, Lewis JA, Langlois AJ, Dreesman GR, Boswell RN, Shaddock P, Holley LH, Karplus M, Bolognesi DP, Matthews TJ, Emini EA, Putney SD. Conserved sequence and structural elements in the HIV-1 principal neutralizing determinant. *Science* **249**:932-935, 1990.
Jahaverian K, Langlois AJ, McDanal C, Ross KL, Eckler LI, Jellis CL, Profy AT, Rusche JR, Bolognesi DP, Putney SD, Matthews TJ. Principal neutralizing domain of the human

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.

Biognesi DP, Putney SD, Matthews LJ. Principal neutralizing domain of the human immunodeficiency virus type 1 envelope protein. *Proc Natl Acad Sci USA* **86**:6768-6772, 1989.

NOTE:

Acknowledgement for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, NIAID, NIH: HIV-1 Principal Neutralizing Domain Peptide from Dr. Anita Hong, BioServ Labs, Inc." Also include the references cited above in any publications.

Last Updated:

November 07, 2017

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