



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 Principal Neutralizing Domain Peptide

Catalog Number: 864

Lot Number: 93133

Provided: 50 µg, lyophilized.

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

Synthesis: Applied Biosystems automated peptide synthesizer.

Analytical Test: HPLC purity: 80%; amino acid analysis and mass spectroscopy: MW 3034.9.

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 GPGRAPH sequence in the principal neutralizing domain of gp120.

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 immunodeficiency virus type 1 envelope protein. *Proc Nat. Acad Sci USA* **86**:6768-6772, 1989.

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.

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.

Limited to 1 aliquot per laboratory. Larger quantities of this reagent are commercially available from AnaSpec Inc., 2020 Lundy Avenue, San Jose, CA 95131, ph: 408-452-5055, FAX: 408-452-5059, email: service@anaspec.com

Last Updated:

January 29, 2014

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