



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Env-2 (187-210)

**Catalog Number:** 1460

**Lot Number:** 6/4/92

**Provided:** 100 µg, 1.0 mg/ml.

**Description:** Residues 187-210 from HTLV-II external glycoprotein.

**Sequence:** VHDSLEHVLTPSTSWTTKILKFI

**HPLC Purity:** Purity >90% by reverse phase HPLC. Amino acid sequence analysis was used to confirm peptide sequence.

**Synthesis:** Synthesized by Fmoc chemistry.

**Special Characteristics:** This peptide represents a specific HTLV-II epitope. Env-2 has been used successfully in a peptide "cocktail" with Env-20 to distinguish between HTLV-I and HTLV-II antibodies.  
  
Dilutions should be made in 10 mM carbonate buffer, pH 9.6 (Sigma, Catalog #C3041).  
  
[Protocol: ELISA for Detection of HTLV-I and HTLV-II Positive Sera](#)

**Recommended Storage:** -70°C.

**Contributor:** Dr. Renu B. Lal.

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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:**
- Lal RB, Griffis KP. Predictive B- and T-cell linear epitopes in structural proteins of HTLV-I, HLTV-II, and STLV-I. *AIDS Res Hum Retroviruses* **7**:663-670, 1991.
- Lal RB, Rudolph DL, Kaplan JE, Hjelle B, Levine PH, Coligan JE, Viscidi RP. Identification of immunodominant epitopes in envelope glycoprotein of human T lymphotropic virus type II. *Virology* **186**:274-279, 1992.
- Lal RB, Rudolph DL, Lairmore MD, Khabbaz RF, Garfield M, Coligan JE, Folks TM. Serologic discrimination of human T cell lymphotropic virus infection by using a synthetic peptide-based enzyme immunoassay. *J Infect Dis* **163**:41-46, 1991.
- Rudolph DL, Lal RB. Discrimination of human T-lymphotropic virus type-I and type-II infections by synthetic peptides representing structural epitopes from the envelope glycoproteins. *Clin Chem* **39**:288-292, 1993.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Env-2187-210 from Dr. Renu Lal." Also include the references cited above in any publications.

A US Government Patent (#5738805) has been issued on this research material. Corporate requests should be directed to the National Technical Information Service, Federal Licensing Office, (703) 487 4732.

**Last Updated:** August 12, 2015

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