Reagent: Env-1 (191-214)
Catalog Number: 1459
Lot Number: 032577
Provided: 100 μg, 1.0 mg/ml.
Description: Residues 191-215 from HTLV-I external glycoprotein.
Sequence: LPHSNLDHILEPSIPWKSKLLTLV.
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 HTLV-I peptide reacts with 92% of HTLV-I and 8.5% of HTLV-II sera tested. Env-1 is not recognized by HIV sera. This peptide has been used successfully in a “cocktail” EIA with Env-5 to distinguish HTLV-I infection from HTLV-II infection. 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: Keep at -70°C.
Contributor: Dr. Renu B. Lal.


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: HTLV-I Peptide (Env-1 191-214) 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. Scientists at for-profit institutions or who intend commercial use of this reagent must contact Ms. Lisa Blake-DiSpigna at email address LBlake-DiSpigna@cdc.gov and specify in the email the name of the reagent, and a description of the intended use of the reagent.

Last Updated: August 12, 2015