**HTLV-1 Envelope**

Human T cell Leukemia Virus Type-1, Envelope Protein recombinant, *E. coli*

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<thead>
<tr>
<th>Cat. No.</th>
<th>Amount</th>
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<tr>
<td>PR-1219</td>
<td>100 µg</td>
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*For in vitro use only!*

**Shipping:** shipped on blue ice

**Storage Conditions:** store at -20 °C

**Additional Storage Conditions:** avoid freeze/thaw cycles

**Shelf Life:** 12 months

**Molecular Weight:** 27 kDa

**Purity:** > 95% (SDS-PAGE, RP-HPLC)

**Form:** lyophilised (It is derived from 10 mM NaPO₄ pH 6.0, 0.1% SDS and 1 mM DTT)

**Applications:**
Antigen in ELISA and Western Blots. Excellent reagent for correct detection of HTLV infections with minimal specificity problems.

**Description:**
The protein contains the C- terminus of gp46 and most of p21E of HTLV-1. This non-fusion *E.coli* derived protein starts from HTLV-1 envelope amino acids 165 and ends with 440. The protein is purified by proprietary chromatographic technique.

**Background:**
Human T-cell leukemia virus (HTLV)-1 and -2 are deltaretroviruses that infect a wide range of cells. HTLV-1 has been found primarily in CD4⁺ and CD8⁺ T-lymphocytes *in vivo*, whereas CD8⁺ T-lymphocytes are thought to be the *in vivo* reservoir of HTLV-2.

**Specificity:** Immunoreactive with all sera of HTLV-1 and HTLV-2 infected individuals with antibody response to HTLV envelope.

**Selected References:**