Recombinant HTLV-I p24 Core

Catalog No.	CSI15800A	**Quantity:**	100 µg
	CSI15800B		0.5 mg
	CSI15800C		1.0 mg

Description: Human T-lymphotropic virus (HTLV) is a human, single-stranded RNA retrovirus that causes T-cell leukemia and T-cell lymphoma. The virus activates a subset of T-helper cellscalled Th1cells. The result is a proliferation of Th1 cells and overproduction of Th1 related cytokines (mainly IFN-gamma and TNF-alpha). Feedback mechanisms of these cytokines cause a suppression of the Th2 lymphocytes and a reduction of Th2 cytokine production (mainly IL-4, IL-5, IL-10 and IL-13). The end result is a reduction in the ability of the infected host to mount an adequate immune response to invading organisms that require a predominantly Th2 dependant response (these include parasitic infections and production of mucosal and humoral antibodies).
The *E.Coli* derived recombinant protein contains the full-length sequence of HTLV-I p24, spanning all of p24.
The protein contains 214 amino acids having an Mw of 24 kDa.

Source: *E. coli*

Molecular Weight: 24 kDa

Formulation: 50 mM NaPO4, pH 6.0 + containing 1 mM DTT & 1 mM EDTA.

Purity: HTLV-1 p24 protein is >95% pure as determined by 10% PAGE (coomassie staining) and RP-HPLC.

Purification Method: HTLV-1 p24 was purified by proprietary chromatographic technique.

Specific Activity: Immunoreactive with all sera of HTLV-1 infected individuals.

Applications: HTLV-1 p24 antigen can be used for ELISA and Western blots, excellent antigen for early detection of HIV seroconvertors with minimal specificity problems.

Storage & Stability: HTLV-1 p24 although stable at 4°C for 1 week, should be stored below -18°C.
Please prevent freeze thaw cycles.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com