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HTLV1 p24 core - Purified

Catalog No.: AR10666PU-S

Quantity: 0.1 mg

Concentration: 1.0 mg/ml

Background: 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).

Source: E. coli

Format: **Purity:** ›95.0% pure (As determined by HPLC-C4, and 10.0% PAGE).
Purification Method: Organic extraction S-300› HPLC.
Buffer System: 50 mM NaPO4 pH 6.0, containing 1 mM DTT, and 1 mM EDTA

Applications: Antigen in ELISA and Western blots, excellent antigen for early detection of HIV seroconvertors with minimal specificity problems.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: The *E.coli* derived recombinant protein contains the full length sequence of HTLV-I p24.
Specificity: Immunoreactive with sera of HTLV-I infected individuals.

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.