www.neobiolab.com
info@neobiolab.com
888.754.5670, +1 617.500.7103 United States
0800.088.5164, +44 020.8123.1558 United Kingdom

HTLV-1 p24

Catalog #:HIPS-010

For research use only.

Description:HTLV-1 p24 Recombinant produced in E.Coli covers full length of HTLV-1 p24 and contains 188 amino acids having a molecular size 21kDa. HTLV-1 p24 is purified by proprietary chromatographic technique.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
HTLV-1 p24 protein solution (1mg/1ml) containing 50mM sodium chloride-phosphorous buffer, pH-7.4.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
Human T-lymphotropic virus (HTLV) is a human, single-stranded RNA retrovirus that causesT-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). HTLV-1 p24 is usually used for clinical diagnosis and forms both monomer and dimer on SDS-PAGE gel but the majority of protein is a dimer.

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

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