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HTLV-1 p24

HTLV-1 p24 Recombinant
VAG0377

Product Overview

Name	HTLV-1 p24

Description

HTLV-1 p24 Recombinant

Introduction

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). 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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

HTLV-1 p24 protein solution containing PBS, pH-7.4.

Stability

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

Purity

Protein is >95% pure as determined by 12% SDS-PAGE (coomassie staining).

Precautions

HTLV-1 p24 is for research use only and not for use in diagnostic or therapeutic procedures.