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Certificate of Analysis and Data Sheet

Recombinant HTLV-I+II

Catalog No.
228-10806

Source:
E. Coli

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 cells called Th1 cells. 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).

Description:

E.coli derived recombinant 100kDa protein, (Purified/Coating; EIA), strain: BL21 DE3.

Purification:

Purified by proprietary chromatographic technique. Protein is >95% pure as determined by 10% PAGE (coomassie staining) and RP-HPLC.

Formulation:

Lyophilized from a solution containing 25mM Tris, 250mM Glycine and 0.1% SDS.

Stability:

Stable for five years frozen or one month in solution at 4°C. Protein is shipped at ambient temperature. Upon arrival, store at -20°C.

Applications

Use as an antigen in ELISA and Western Blots.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**