

HTLV-I+II

Description:E.coli derived recombinant 56kDa protein, (Purified/Coating; EIA), strain: BL21 DE3(2B3A).

Catalog #:HIPS-122

Physical Appearance:Sterile Filtered clear solution.

For research use only.

Purity:Protein is >95% pure as determined by SDS-PAGE.

Purification Method:

HTLV-I+II was purified by proprietary chromatographic technique.

Formulation:

(1mg/ml) 25mM Tris, 250mM Glycine and 0.1% SDS.

Stability:

Protein is shipped at ambient temperature. Upon arrival, Store at -20°C.

Usage:

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

Applications:

Use as an antigen in ELISA and Western Blots.

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).

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