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HTLV-1 gp46 mosaic

Catalog #:HIPS-149

For research use only.

Description: The E.Coli derived recombinant mosaic protein contains the gp46 immunodominant regions, 162-214 amino acids and 242-257 amino acids, Mw on SDA-PAGE is 39kDa.

Purity:HTLV-1 gp46 protein is >95% pure as determined by 10% SDS-PAGE (coomassie staining) and RP-HPLC.

Purification Method:

HTLV-1 gp46 was purified by proprietary chromatographic technique.

Formulation:

10mM NaPO4 pH 6.0, 0.1% SDS, 1mM DTT, 1mM EDTA.

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 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).

Storage:

HTLV-1 gp46 althoμgh stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

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