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HTLV-1 mosaic

Catalog #:HIPS-151

For research use only.

Description: The E.Coli derived recombinant mosaic protein contains the gp21 and gp46 immunodominant regions, 374-400 amino acids and 190-207 amino acids, the MW is 42kDa. The protein is fused with GST at N-terminus.

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

Purification Method:
HTLV-1 Mosaic was purified by proprietary chromatographic technique.

Specificty:
Immunoreactive with all sera of HTLV-I and HTLV-II infected individuals with antibody response to HTLV envelope.

Formulation:
60mM NaCl, 50mM Tris-HCl pH 8.0, 0.25% Sarkosil, 50% glycerol and 10mM glutathione.

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.

Applications:
HTLV-1 Mosaic can be used as an antigen in ELISA and Western Blots. Excellent reagent for correct detection of HTLV infections, with minimal specificity problems.

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

To place an order, please Click HERE.