
Product Data Sheet

Product Name: HTLV-1 mosaic
Cat. No.: GP25436
Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Formulation	60mM NaCl, 50mM Tris-HCl pH 8.0, 0.25% Sarkosil, 50% glycerol and 10mM glutathione.		

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).

Stability

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

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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