
Product Data Sheet

Product Name: HTLV-1 Envelope

Cat. No.: GP25431

Batch No.: 1

Product Data

Purity >98%

Source

Physical Appearance solid

Shipping Condition

Shipped with Ice Packs.

Formulation 10mM Na-PO4 pH 6.0, 0.1% SDS and 1mM DTT.

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

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

The E.Coli derived recombinant protein contains the C- terminus of gp46 and most of p21E of HTLV-1. This non-fusion, E. coli-derived protein, starts from HTLV-1env. Amino acid 165, and is ending in amino acid 440, Mw 27 kDa.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA