

Recombinant HTLV-I + II

Catalog No.	CSI15806A CSI15806B CSI15806C	Quantity:	5 µg 20 µg 1.0 mg
Description:	<p>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 dependent response (these include parasitic infections and production of mucosal and humoral antibodies).</p> <p><i>E. coli</i> derived recombinant 100 kDa protein, (Purified/Coating; EIA), strain: BL21 DE3.</p>		
Source:	<i>E. coli</i>		
Molecular Weight:	56 kDa		
Formulation:	Lyophilized from a solution containing 25 mM Tris +250 mM Glycine and 0.1% SDS.		
Purity:	Protein is >95% pure as determined by 10% PAGE (coomassie staining) and RP-HPLC.		
Purification Method:	HTLV-I+II was purified by proprietary chromatographic technique.		
Specific Activity:	Immunoreactive with all sera of HTLV-I and HTLV-II infected individuals with antibody response to HTLV envelope.		
Reconstitution:	It is recommended to reconstitute the lyophilized HTLV-1 Envelope in sterile 18MΩ-cm water not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Applications:	Use as an antigen in ELISA and Western Blots		
Storage & Stability:	Protein is shipped at ambient temperature. Upon arrival, Store at -20°C.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.