

## OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-858-888-7900 Fax: +1-858-888-7904 <u>US-info@acris-antibodies.com</u>

## AR10665PU-S OriGene FI

OriGene EU

Acris Antibodies GmbH Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com

## HTLV1 gp21 (351-404) - Purified **Catalog No.:** AR10665PU-S **Quantity:** 0.1 mg **Background:** 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). Source: E. coli Format: Purity: >95.0% pure as determined by 10.0% SDS-PAGE (coomassie staining) and RP-HPLC. **Purification Method:** HTLV-1 gp21 was purified by proprietary chromatographic technique. Buffer System: 60mM NaCl, 50mM Tris-HCl, pH 8.0, 0.25% Sarkosil, 50% Glycerol, 10mM Glutathione **Applications:** HTLV-1 gp21 can be used as an antigen in ELISA and Western Blots. Excellent reagent for correct detection of HTLV infections, with minimal specificity problems. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. **Description:** The E.coli derived recombinant protein contains the gp21 immunodominant region, 351-404 amino acids. Fused with a GST tag at N-Terminus. Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Storage: Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request. Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



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