**BACKGROUND**

Human T-lymphotropic virus (HTLV) is a single-stranded RNA retrovirus that causes T cell leukemia and T cell lymphoma in human adults and may be involved in a few demyelinating diseases. HTLV-1 is a member of the HTLV family that is associated with several kinds of diseases, including HTLV-1-associated myelopathy, infection with *Strongyloides stercoralis* and a virus cancer link to leukemia. HTLV-1 transmission probably occurs via sexual contact, childbirth and exposure to contaminated blood. HTLV-1 gp46 is a surface glycoprotein located on the viral envelope that is important in the immune-response of the host to the virus. HTLV-1 gp46 interacts with heat shock cognate protein (HSC 70) in a mechanism that may lead to pore formation in lipid bilayers, followed by membrane fusion or cell death.

**REFERENCES**


**SOURCE**

HTLV-1 gp46 (1C11) is a mouse monoclonal antibody raised against HTLV-1 gp46.

**PRODUCT**

Each vial contains 200 µg IgG1 kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

HTLV-1 gp46 (1C11) is available conjugated to agarose (sc-53890 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-53890 HRP), 200 µg/ml, for WB, IHCP and ELISA; to either phycoerythrin (sc-53890 PE), fluorescein (sc-53890 FITC), Alexa Fluor® 488 (sc-53890 AF488), Alexa Fluor® 546 (sc-53890 AF546), Alexa Fluor® 594 (sc-53890 AF594) or Alexa Fluor® 647 (sc-53890 AF647), 200 µg/ml, for WB (RGB), IF, IHCP and FCM; and to either Alexa Fluor® 680 (sc-53890 AF680) or Alexa Fluor® 790 (sc-53890 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

**APPLICATIONS**

HTLV-1 gp46 (1C11) is recommended for detection of HTLV-1 gp46 by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

**STORAGE**

Store at 4° C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**PROTOCOLS**

See our website at www.scbt.com for detailed protocols and support products.