BACKGROUND
Kaposi’s sarcoma-associated herpesvirus (KSHV) belongs to the γ2-herpesvirus subfamily. KSHV ORF 62 (along with two copies of ORF 26) compose heterotrimeric complexes, forming the capsid floor between the hexons and pentons of KSHV. KSHV is associated with the endothelial tumor Kaposi’s sarcoma (KS) and lymphoproliferative disorders in immunocompromised individuals. In HIV-1 infections, KSHV has been shown to interact with the HIV-1 trans-activating protein (HIV-1 Tat). HIV-1 Tat is thought to provide an oncogenic role to KSHV. KSHV may stimulate and maintain abnormal plasma cell proliferation in myeloma and related disorders. The virus establishes a latent infection during which time its genome replicates in a cell-cycle dependent manner as an episome.

REFERENCES

SOURCE
KSHV ORF 62 (5B7B6) is a mouse monoclonal antibody raised against purified recombinant KSHV ORF 62.

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

APPLICATIONS
KSHV ORF 62 (5B7B6) is recommended for detection of Kaposi’s sarcoma-associated herpes virus (KSHV) ORF 62 of KSHV origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Molecular Weight of KSHV ORF 62: 36 kDa.

RECOMMENDED SUPPORT REAGENTS
To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminal Reagent: sc-2048.

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

RESEARCH USE
For research use only, not for use in diagnostic procedures.

PROTOCOLS
See our web site at www.scbt.com for detailed protocols and support products.