BACKGROUND
HHV-8 (Human Herpes Virus Type 8), also designated Kaposi’s sarcoma-associated herpesvirus, is associated with multicentric Castleman’s disease and primary effusion lymphoma (PEL), a rare type of non-Hodgkin lymphoma affecting body cavities. HHV-8 encodes a viral cyclin that is homologous to cellular D-type cyclins (cyclin D1-D3), a class of positive cell cycle mediators that are physiologically regulated by p27 (a cell cycle inhibitor). Although related to D-type cyclins, HHV-8 cyclin is not sensitive to p27, which may explain the coexistence of p27 and HHV-8 that is observed in individuals affected by PEL. HHV-8 K-bZIP, also known simply as K-bZIP, is a 237 amino acid homodimeric phosphoprotein that regulates HHV-8 viral transcription. Specifically, HHV-8 K-bZIP functions as a transactivator that, via a prototypic basic leucine zipper domain at its carboxy terminus, can bind to a variety of promoters, thereby inducing the viral replication cycle. In addition, HHV-8 K-bZIP is thought to repress p53-mediated apoptosis, further facilitating viral transcription and replication.

REFERENCES

SOURCE
HHV-8 K-bZIP (F33P1) is a mouse monoclonal antibody raised against HHV-8.

PRODUCT
Each vial contains 100 μg IgG; kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS
HHV-8 K-bZIP (F33P1) is recommended for detection of sumoylated and non-sumoylated K-bZIP of HHV-8 origin 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).

Molecular Weight of HHV-8 K-bZIP: 37 kDa.

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

SELECT PRODUCT CITATIONS

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