

HHV-8 K14 (OX113): sc-53072

BACKGROUND

HHV-8, also designated Kaposi's sarcoma-associated herpesvirus, is also associated with multicentric Castleman's disease, and primary effusion lymphoma, a rare type of non-Hodgkin lymphoma affecting the body cavities. HHV-8 K14 is expressed at the surfaces of infected cells solely during the lytic cycle and interacts with human CD200R, a receptor expressed on myeloid cells that is involved in locally restricting macrophage activation. HHV-8 K14 and CD200, which share 40% sequence identity, both interact with CD200R almost identically, indicating that HHV-8 mimics CD200 activity. The interaction of HHV-8 K14 with CD200R allows the protein to locally restrain macrophage activation by inhibiting TNF- α production.

REFERENCES

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SOURCE

HHV-8 K14 (OX113) is a mouse monoclonal antibody raised against purified K14 recombinant protein.

RESEARCH USE

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

PRODUCT

Each vial contains 200 μ g IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

HHV-8 K14 (OX113) is available conjugated to agarose (sc-53072 AC), 500 μ g/0.25 ml agarose in 1 ml, for IP; to HRP (sc-53072 HRP), 200 μ g/ml, for WB, IHC(P) and ELISA; to either phycoerythrin (sc-53072 PE), fluorescein (sc-53072 FITC), Alexa Fluor[®] 488 (sc-53072 AF488), Alexa Fluor[®] 546 (sc-53072 AF546), Alexa Fluor[®] 594 (sc-53072 AF594) or Alexa Fluor[®] 647 (sc-53072 AF647), 200 μ g/ml, for WB (RGB), IF, IHC(P) and FCM; and to either Alexa Fluor[®] 680 (sc-53072 AF680) or Alexa Fluor[®] 790 (sc-53072 AF790), 200 μ g/ml, for Near-Infrared (NIR) WB, IF and FCM.

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APPLICATIONS

HHV-8 K14 (OX113) is recommended for detection of HHV-8 K14 of viral origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 μ g per 1×10^6 cells).

Molecular Weight of HHV-8 K14: 55 kDa.

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