

CMV pp52 (0897): sc-58117

BACKGROUND

Cytomegalovirus (CMV) is a member of the herpes virus group which includes herpes simplex virus types 1 and 2; Varicella Zoster Virus, which causes chicken pox; and Epstein Barr virus, which causes infectious mononucleosis. These viruses remain dormant within the body over a long period. In humans, CMV is known as HCMV or human herpesvirus 5 (HHV-5). HHV-5 causes only a brief mononeucleosis-like malaise in immunocompetent adults, but may cause severe illness or death in immunosuppressed individuals. CMV pp52 is a viral protein that acts as an accessory subunit of DNA polymerase and aids in DNA polymerization. CMV pp52 shares structural similarity with other DNA processivity factors, such as herpes simplex virus (HSV-1) UL42.

REFERENCES

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SOURCE

CMV pp52 (0897) is a mouse monoclonal antibody raised against cytomegalovirus.

PRODUCT

Each vial contains 100 µg IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

CMV pp52 (0897) is recommended for detection of structural late antigen pp52 of CMV 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 CMV pp52: 52 kDa.

SELECT PRODUCT CITATIONS

1. Liao, Y., Ke, X., Deng, T. and Qin, Q. 2021. The second-generation XPO1 inhibitor eltanexor inhibits human Cytomegalovirus (HCMV) replication and promotes type I interferon response. *Front. Microbiol.* 12: 675112.

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.