



CMV (0898): sc-58118

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). It resides in body fluids, including urine, saliva, breast milk, blood, tears, semen and vaginal fluids. CMV especially targets salivary glands and may also be devastating or even fatal to fetuses. CMV infection can also be life threatening for patients who are immunocompromised, such as individuals with HIV or organ transplant recipients.

REFERENCES

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7. Drago, F., Aragone, M.G., Lugani, C. and Rebora, A. 2000. Cytomegalovirus infection in normal and immunocompromised humans. A review. *Dermatology* 200: 189-195.
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SOURCE

CMV (0898) is a mouse monoclonal antibody raised against cytomegalovirus.

PRODUCT

Each vial contains 100 µg IgG_{2a} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

RESEARCH USE

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

APPLICATIONS

CMV (0898) is recommended for detection of a 65 kD structural late antigen 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 structural late CMV antigen: 65 kDa.

SELECT PRODUCT CITATIONS

1. Crawford, L.B., Tempel, R., Streblow, D.N., Kreklywich, C., Smith, P., Picker, L.J., Nelson, J.A. and Caposio, P. 2017. Human Cytomegalovirus induces cellular and humoral virus-specific immune responses in humanized BLT mice. *Sci. Rep.* 7: 937.
2. Caposio, P., van den Worm, S., Crawford, L., Perez, W., Kreklywich, C., Gilbride, R.M., Hughes, C.M., Ventura, A.B., Ratts, R., Marshall, E.E., Malouli, D., Axthelm, M.K., Streblow, D., Nelson, J.A., et al. 2019. Characterization of a live-attenuated HCMV-based vaccine platform. *Sci. Rep.* 9: 19236.

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.