

CMV (B2): sc-51858



The Power to Question

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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SOURCE

CMV (B2) is a mouse monoclonal antibody raised against early proteins of CMV origin.

PRODUCT

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

APPLICATIONS

CMV (B2) is recommended for detection of a 65 kDa protein of CMV origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Molecular Weight of 65 kDa CMV protein: 65 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-mouse IgG-HRP: sc-2005 (dilution range: 1:2000-1:32,000) or Cruz Marker™ compatible goat anti-mouse IgG-HRP: sc-2031 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol 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 or our catalog for detailed protocols and support products.