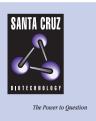
SANTA CRUZ BIOTECHNOLOGY, INC.

CMV (3H2047): sc-70945



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.

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SOURCE

CMV (3H2047) is a mouse monoclonal antibody raised against CMV infected MRC-5 cells.

STORAGE

For immediate and continuous use, store at 4° C for up to one month. For sporadic use, freeze in working aliquots in order to avoid repeated freeze/ thaw cycles. If turbidity is evident upon prolonged storage, clarify solution by centrifugation.

PRODUCT

Each vial contains IgG_1 in 500 μI of PBS with 0.09% sodium azide and 0.01% BSA.

APPLICATIONS

CMV (3H2047) is recommended for detection of immediate early 76 kD antigen of CMV origin by immunofluorescence and immunohistochemistry (including paraffin-embedded sections) (starting dilution to be determined by researcher, dilution range 1:10-1:200).

Molecular Weight of immediate early CMV antigen: 76 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Immunofluorescence: use goat anti-mouse IgG-FITC: sc-2010 (dilution range: 1:100-1:400) or goat anti-mouse IgG-TR: sc-2781 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941. 2) Immunohistochemistry: use ImmunoCruz™: sc-2050 or ABC: sc-2017 mouse IgG Staining Systems.

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.