SANTA CRUZ BIOTECHNOLOGY, INC.

CMV gB (5E258): sc-70943



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 gB (CMV glycoprotein B) is an abundant virion envelope protein that is essential for the infectivity of CMV. CMV gB is also one of the most immunogenic virus-encoded proteins, and a significant fraction of virus neutralizing antibodies are directed at CMV gB.

REFERENCES

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STORAGE

Store at 4° C, **D0 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.

SOURCE

CMV gB (5E258) is a mouse monoclonal antibody raised against CMV.

PRODUCT

Each vial contains 200 $\mu g~lgG_1$ in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

CMV gB (5E258) is recommended for detection of CMV gB origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immuno-fluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Molecular Weight of CMV gB full length protein: 160 kDa.

Molecular Weight of CMV gB cleavage products: 55/110 kDa.

RESEARCH USE

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