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 mononucleosis-like malaise in immunocompetent adults, but may cause severe illness or death in immunosuppressed individuals. CMV pp65 is the early-late lower matrix phosphoprotein of CMV that may be relevant to the etiopathogenesis of scleroderma. CMV pp65 is a major constituent of the CMV virion bodies and is abundantly synthesized during lytic infection. In addition, the CMV pp65 protein is a frequent target for the exceptionally strong CMV-specific CD8+ T cell response.

REFERENCES

6. Moss, P. and Khan, N. 2004. CMV pp65 (1-L-11) is a mouse monoclonal antibody raised against cells infected with CMV.

PRODUCT

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

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

CMV pp65 (1-L-11) is recommended for detection of pp65 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 pp65: 65 kDa.

SELECT PRODUCT CITATIONS


PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.