CMV pp65 (CH12): sc-56976

**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**


**SOURCE**

CMV pp65 (CH12) is a mouse monoclonal antibody raised against CMV.

**PRODUCT**

Each vial contains 100 μg IgG kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

CMV pp65 (CH12) 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.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgGk BP-HRP: sc-516102 or m-IgGk BP-HRP (Cruz Marker); sc-516102-CM (dilution range: 1:1000-1:10000), Cruz MarkerM

**STORAGE**

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

**SELECT PRODUCT CITATIONS**


**RESEARCH USE**

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