Antibody to **Cytomegalovirus (pp65 antigen)**

**Product Specifications**

**Description:**
Cytomegalovirus (pp65 antigen) mouse monoclonal antibody

**Immunoglobulin class:**
2: IgG1, Kappa
6: IgG1, Kappa

**Clone:**
2 and 6

**Immunogen:** Recombinant protein representing a portion at the C-terminal end of the cytomegalovirus pp65 molecule.

**Epitope:** See Immunogen.

**Presentation:**
Lyophilized tissue culture supernatant diluted in PBS with 1% BSA containing 15mM sodium azide. Reconstitute with 1 ml of distilled water.

**Storage Conditions:**
Keep unopened vial at 2 - 8 °C for 1 year. Once opened it is recommended that reconstituted stock solution be aliquoted and quick frozen and stored at -20 °C. Do not repeatedly freeze/thaw.

**Applications:**

**Immunohistochemistry**
- Paraffin sections: Antigen unmasking recommended.
- Frozen sections: Not tested.
- Working Dilution*: 1:200 for 1 hr. at 25 °C.
- Positive Control: Cytomegalovirus-infected lung. Nuclear and cytoplasmic staining pattern.

**Indirect Immunofluorescence**
- See attached for protocol.

**Western blotting**
- Working Dilution*: 1:1000
- Positive Control: CMV-infected cells.
- * Recommended dilutions using VECTASTAIN® Elite® ABC Kits.

**Functional Aspects:**
Cytomegalovirus (CMV) is an opportunistic pathogen that infects lung, kidney, gut and other organs in immunologically immature individuals or in immunosuppressed patients. An active CMV infection time course in immunosuppressed individuals is characterized by a period of several weeks of pp65 antigenemia that correlates with viral replication, before the onset of clinical symptoms. This pool of 2 antibodies will detect the pp65 antigen in tissues and cytoplasts.

**Selected References**

VP-C422 is recommended FOR PROFESSIONAL AND RESEARCH USE ONLY.