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Mouse Anti-HCMV pp65 antibody

SLM-2879M

Product Name	HCMV pp65
Chinese Name	巨细胞病毒 PP65 单克隆抗体
Alias	PP65_HCMVM; PP65_HCMVA; Cytomegalovirus pp65; 65 kDa lower matrix phosphoprotein; 65 kDa matrix phosphoprotein; 65 kDa phosphoprotein; CMV 65 kDa lower matrix phosphoprotein; CMV pp65; Cytomegalovirus 65 kDa lower matrix phosphoprotein; Cytomegalovirus pp65; HHV 5; PP65; Tegument protein pp65; Tegument protein UL83; UL83.
Research Area	Cell biology immunology Bacteria and viruses
Immunogen Species	Mouse
Clonality	Monoclonal
Clone NO.	1F11
React Species	(predicted:HCMVPP65)
Applications	ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	65kDa
Form	Liquid
Concentration	1mg/ml
immunogen	Recombinant HCMV pp65 protein
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	(predicted:HCMVPP65)1M TBS(pH7.4) with 1% BSA, (predicted:HCMVPP65)3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	Cytomegalovirus 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 share a characteristic ability to remain dormant within the body over a long period. CMV viral genes are co-ordinately expressed in groups at various times after infection. Early viral proteins are expressed in the nucleus of infected cells within 3 to 24 hours of infection prior to the commencement of viral DNA replication. This is followed by expression of the early intermediate genes, which encode enzymes required for viral DNA replication. After 48 to 72 hours, a number of late viral antigens may be demonstrated in the nuclei and cytoplasm of infected cells. pp65 is a 65kD phosphorylated glycoprotein and is the most abundant of the late antigens.

Function:
Counteracts the host antiviral immune response by preventing IRF3 to enter the nucleus once activated and phosphorylated. Participates also in the transactivation of viral major imediate-early genes by recruiting host IFI16 to their promoters.

Subunit:
Interacts with host NCL/nucleolin. Interacts with host IFI16.

Subcellular Location:
Virion tegument (Potential). Host nucleus. Host cytoplasm. Note=As part of the incoming virion, pp65 is targeted to the nucleus immediately after infection. The newly synthesized pp65 is observed in the nucleus until some time after 48 hours postinfection. Thereafter, pp65 is probably exported and accumulates in the cytoplasm. Also found in dense bodies.

Post-translational modifications:
Phosphorylation may play a role in the localization of the protein.

Similarity:
Belongs to the herpesviridae pp65 family.

SWISS:
Q6SW59

Gene ID:
3077579

Database links:

Entrez Gene: 3077579 Human herpesvirus 5

SwissProt: Q6SW59 Human herpesvirus 5