

CMV Pp65

Description: The E.Coli derived 52.2 kDa recombinant protein contains the CMV Pp65 (UL83) immunodominant regions, 297-510 amino acids. Recombinant CMV-Pp65 is fused to a 26 kDa GST tag.

Catalog #: CMPS-222

For research use only.

Purity: CMV Pp65 protein is >95% pure as determined by 10% PAGE (coomassie staining).

Purification Method:

CMV Pp65 was purified by proprietary chromatographic technique.

Specificity:

Immunoreactive with sera of CMV-infected individuals.

Formulation:

25mM Tris-HCl pH 7.2, 1mM EDTA and 50% glycerol.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Applications:

CMV Pp65 antigen is suitable for ELISA and Western blots, excellent antigen for detection of CMV with minimal specificity problems.

Introduction:

CMV belongs to the Betaherpesvirinae subfamily of Herpesviridae which includes herpes simplex virus types 1 and 2, varicella-zoster virus, and Epstein-Barrvirus. The herpesviruses share a characteristic ability to remain latent over long periods. CMV is a double-stranded linear DNA virus with 162 hexagonal protein capsomeres surrounded by a lipid membrane. CMV has the largest genome of the herpes viruses, ranging from 230-240 kilobase pairs. Human CMV is composed of unique and inverted repeats that include the existence of 4 genome isomers caused by inversion of L-S genome components (class E). Replication may be divided into immediate early, delayed early, and late gene expression based on time of synthesis after infection. The DNA is replicated by rolling circles. In vitro, CMV replicates in human fibroblasts.

Storage:

CMV Pp65 protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

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