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Recombinant Cytomegalo Virus Pp65(UL83), 561 a.a.

CLCMV218
CLCMV218-2
CLCMV218-3

SIZE: 100 µg (CLCMV218), 0.5 mg (CLCMV218-2) or 1 mg (CLCMV218-3)

INTRODUCTION: CMV is part of the Betaherpesvirinae subfamily of Herpesviridae; including herpes simplex virus types 1 and 2, varicella-zoster virus, and Epstein-Barr virus. The herpesviruses has the common ability to stay latent over long periods of time. CMV has the largest genome of the herpes viruses, ranging from 230-240 kilobase pairs. CMV is a double-stranded linear DNA virus with 162 hexagonal protein capsomeres surrounded by a lipid membrane. 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.

DESCRIPTION: The E.Coli derived 62.8 kDa recombinant protein contains the CMV Pp65 (UL83) immunodominant regions, having 561 amino acids.

PURIFICATION METHOD: CMV Pp65 was purified by proprietary chromatographic technique.

PURITY: CMV Pp65 protein is >95% pure as determined by SDS-PAGE.

FORMULATION: 25mM Tris-Hcl pH 8, 8M Urea, 5mM bMe.

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

SPECIFICITY: Immunoreactive with sera of CMV-infected individuals.

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

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