

## CMV Pp38

**Description:**The E.Coli derived 52.8kDa recombinant protein contains the CMV Pp38 (UL80a) immunodominant regions, 117-373 amino acids and fused to a GST-Tag at C-terminus.

**Catalog #:**CMPS-220

**Purity:**CMV Pp38 protein is >95% pure as determined by 10% PAGE (coomassie staining).

For research use only.

**Purification Method:**

CMV Pp38 was purified by proprietary chromatographic technique.

**Specificity:**

Immunoreactive with sera of CMV-infected individuals.

**Formulation:**

25mM Tris-Hcl pH 8.0, 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 Pp38 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 Pp38 Protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

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