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CMV Pp52

Description: The E.coli derived 51 kDa recombinant protein contains the CMV Pp52 (UL44) immunodominant regions, 202-434 amino acids. Recombinant CMV-Pp52 is fused to a 26 kDa GST tag.

Catalog #: CMPS-221

For research use only.

Purity: CMV Pp52 protein is >95% pure as determined by 10% PAGE (coomassie staining).

Purification Method:
CMV Pp52 protein was purified by proprietary chromatographic technique.

Specificty:
Immunoreactive with sera of CMV-infected individuals.

Formulation:
50mM Tris 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 drµgs, agricultural or pesticidal products, food additives or household chemicals.

Applications:
CMV Pp52 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 virustypes 1 and 2, varicella-zoster virus, and Epstein-Barrvirus. The herpesviruses share a characteristic ability to remain latentover 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 Pp52 protein althoµgh stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

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