

Product Data Sheet

Cat # RP-1069

Recombinant Cytomegalo Virus pP150(UL32)

Size: 100 ug

CMV belongs to the Betaherpesvirinae subfamily of Herpes viridae which includes herpes simplex virustypes 1 and 2, varicella-zoster virus, and Epstein-Barrvirus. The herpes viruses 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. Immunoreactive with sera of CMV-infected individuals.

Usage:

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Source: The E.Coli derived recombinant protein contains the CMV Pp150 (UL32) immunodominant regions, 1011-1048 amino acids. CMV Pp150 was purified by proprietary chromatographic technique. 25mM Tris-Hcl pH 8.0, 1mM EDTA and 50% glycerol.

Applications and Suggested Dilutions: CMV Pp150 protein is >95% pure as determined by 10% PAGE (coomassie staining). CMV Pp65 antigen is suitable for ELISA and Western blots, excellent antigen for detection of CMV with minimal specificity problems. Users must optimize the appropriate concentration and conditions for each assay.

Storage and Stability: CMV Pp150 protein is shipped at ambient temperature. Upon arrival, Store at -20°C. Five years frozen. One month in solution at room temperature. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage.

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Alpha Diagnostic Intl Inc., 6203 Woodlake Center Dr, San Antonio, TX 78244, U S A;

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400 Fax: +91-11-42208444 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com