OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-858-888-7900
Fax: +1-858-888-7904
US-info@acris-antibodies.com

OriGene EU

Acris Antibodies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info@acris-antibodies.com

Cytomegalovirus Pp65 - Purified

Catalog No.: AR10518PU-N

Quantity: 0.5 mg

Concentration: 1.0 mg/ml

Background: 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.

Source: E. coli

Format:
State: 25mM Tris-Hcl pH 7.2, 1mM EDTA, 50% Glycerol
Purity: >95% pure as determined by 10% PAGE (coomassie staining).
Purification Method: Sepharose-Derived Purification.
Buffer System: 25mM Tris-Hcl pH 7.2, 1mM EDTA, 50% Glycerol

Applications: Antigen in ELISA and Western blots, excellent antigen for detection of CMV with minimal specificity problems.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: The *E.coli* derived recombinant protein contains the CMV Pp65 (UL83) immunodominant regions.
Specificity: Immunoreactive with sera of CMV-infected individuals.

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.