



Recombinant CMV Mosaic Antigen [His] (DAGC497)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Species	CMV
Purity	CMV Mosaic is >85% pure as determined by 12% PAGE (coomassie staining).
Conjugate	His
Applications	ELISA
Molecular Weight	40 kDa
Format	Liquid
Size	100 µg
Buffer	Phosphate buffered saline, 2M urea and 100mM arginine.
Preservative	None
Storage	CMV Mosaic protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

BACKGROUND

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
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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.

Keywords	CMV; Cytomegalovirus; CMV Mosaic
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