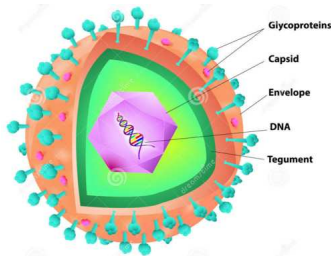


Product Specification Sheet

Anti-Cytomegalovirus ((MCMV/MuHV-1) Glycoprotein B Antibody Controls

<input type="checkbox"/> AE-301000-03N	Mouse Anti-Cytomegalovirus ((MCMV/MuHV-1) Glycoprotein B (gB) IgG negative serum	Size: 1 ml
<input type="checkbox"/> AE-301000-04P	Mouse Anti-Cytomegalovirus ((MCMV/MuHV-1) Glycoprotein B (gB) IgG positive serum	Size: 1 ml



Murine Cytomegalovirus is a genus of viruses in the order Herpesvirales, in the family Herpesviridae, in the subfamily Betaherpesvirinae. Rodents that belong to the betaherpesvirinae subfamily of herpesviruses serve as natural hosts. There are

currently three species in this genus including the type species Murid herpesvirus 1. Diseases associated with this genus include: infected peritoneal macrophages, dendritic cells (DC) and hepatocytes, inducing significant pathology in both the spleen and the liver. Murid viruses murid herpesvirus 1 (MuHV-1) and murid herpesvirus 2 (MuHV-2)--previously defined as mouse cytomegalovirus (MCMV) and rat cytomegalovirus (RCMV)--belong to this genus.

Viruses in Murine Cytomegalovirus are enveloped, with icosahedral, spherical to pleomorphic, and round geometries, and T=16 symmetry. The diameter is around 150-200 nm. Genomes are linear and non-segmented, around 230kb in length.

Viral replication is nuclear, and is lysogenic. Entry into the host cell is achieved by attachment of the viral glycoproteins to host receptors, which mediates endocytosis. Replication follows the dsDNA bidirectional replication model. DNA-templated transcription, with some alternative splicing mechanism is the method of transcription. The virus exits the host cell by nuclear egress, and budding. Rodents serve as the natural host.

Source of TMEV Controls

Mouse serum containing antibodies to MCMV protein as tested by Mouse anti- MCMV ELISA kit: IgG (#AE-301000-1). Control sera are provided in a stabilizing buffer and 0.05% azide. Store liquid at 4°C for up to 3 months or frozen in suitable size aliquots.

This serum is recommended as positive and negative controls for Mouse anti-MCMV ELISA kit: IgG (#AE-301000-1). Use undiluted in 50-100 ul per well or dilute as necessary depending upon the sensitivity of the detection. The controls may register different values if tested in a kit from a different manufacturer.

Form & Storage

Short-term: unopened, undiluted vials for less than a week at 4°C.

Long-term: at -20°C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at -20°C or below.

Shipping: 4°C for solutions and room temp for powder.

Recommended Usage

Western Blotting (1:500-1:5K using ECL technique).

ELISA: Control antigen can be used to coat ELISA plates at 1 ug/ml and detected with antibodies (0.5-1 ug/ml for affinity pure).

General References: Rapp M, (1992) J. Virol. 66:4399-4406; Messerle M, (1992) Virology 191:355-367; Rawlinson W.D, (1996) J. Virol. 70:8833-8849.

*This product is for In vitro research use only.

Related material available from ADI

Catalog#	Prod Description
2100	Cytomegalovirus IgG (CMV IgG) ELISA kit, Semi-Quantitative
2200	Cytomegalovirus IgM (CMV IgM) ELISA kit, Semi-Quantitative
3300-370-CMG	Human Anti-Cytomegalovirus (HCMV/CMV/Human Herpes Virus-5/HHV-5) IgG ELISA kit, 96 tests, Quantitative
3300-375-CMM	Human Anti-Cytomegalovirus (HCMV/CMV/Human Herpes Virus-5/HHV-5) IgM ELISA kit
3300-380-CMA	Human Anti-Cytomegalovirus (HCMV/CMV/Human Herpes Virus-5/HHV-5) IgA ELISA kit
3300-770-CMG	Monkey Anti-Cytomegalovirus (HCMV/CMV/Human Herpes Virus-5/HHV-5) IgG ELISA kit
3300-775-CMM	Monkey Anti-Cytomegalovirus (HCMV/CMV/Human Herpes Virus-5/HHV-5) IgM ELISA kit
3300-780-CMA	Monkey Anti-Cytomegalovirus (HCMV/CMV/Human Herpes Virus-5/HHV-5) IgA ELISA kit
AB-23258-A	Rabbit Anti-Human cytomegalovirus (strain AD169) (HHV-5) (Human herpesvirus 5) Protein pp71 (UL82) IgG (aff pure)
AB-23258-P	Human cytomegalovirus (strain AD169) (HHV-5) (Human herpesvirus 5) Protein pp71 (UL82) Control/blocking peptide
AE-301000-1	Recombinant Mouse Anti-Cytomegalovirus (MCMV/MuHV-1) gB IgG ELISA Kit
MCGB11-C	Recombinant (E. Coli) Mouse Cytomegalovirus (MCMV/MuHV-1) Glycoprotein B (gB) Protein Control for Western Blot
MCGB11-SRabbit	Anti-Mouse Cytomegalovirus (MCMV/MuHV-1) Glycoprotein B (gB) Antiserum
MCGB15-R-10	Recombinant (E. Coli) Mouse Cytomegalovirus (MCMV/MuHV-1) Glycoprotein B (gB) Protein (his-tag, >95% Pure)
AE-301000-03N-04P-MCMV-GB-Control	160414SV

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