

CMV-M Antigen | CMV antigen

Cytomegalovirus IgM Antigen

CATALOG #
AAA58271

HOST
HF Cells

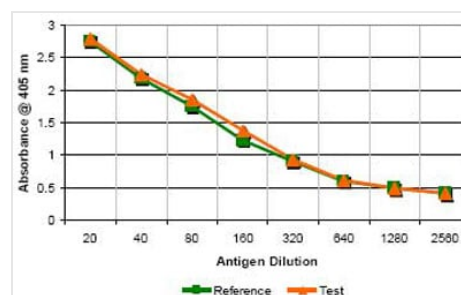
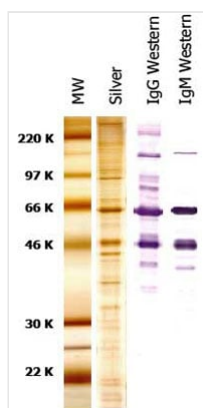
PRODUCT SYNONYMS

CMV-M; Cytomegalovirus IgM Antigen; Cytomegalovirus (CMV) IgM Antigen (Strain AD169) Concentrate; CMV antigen

PRODUCT SPECIFICATIONS

Host	HF Cells
Specificity	Cytomegalovirus (CMV) IgM Antigen (Strain AD169) Concentrate
Form/Format	Partially Purified
Buffer	0.1M Glycine. pH 9.3 - 9.7
Protein Concentration	0.30-1.0mg/mL <10% Viral Protein
Preservative	No Preservative
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	-65 degree C or Below

IMAGES



Application Data

CMV IgG Antigen ELISA Titration Human IgG Antibody

Application Data

Purified CMV Antigen showing high levels of pp65 antigen reactive in IgG and IgM assays.

ADDITIONAL INFORMATION

Related Product Information for CMV antigen	Cytomegalovirus (CMV) Antigen; Viral Strain: AD169 Propagated in HF Cells Inactivated Introduction: Cytomegalovirus (CMV) antigen is considered one of the most common viral infections in man. The virus rarely causes disease, but may persist as a latent or chronic infection of the salivary glands, renal tubules, cervix and leukocytes. CMV infections are frequent and occasionally severe in children or adults with congenital or acquired defects of cellular immunity, such as patients with AIDS, cancer and recipients of organ transplants. The transmission of CMV via transfused blood may account for the majority of the CMV infections in organ transplant recipients, neonates and heart surgery patients. Medical conditions resulting from Cytomegalovirus infections include: interstitial pneumonia, mononucleosis (heterophile negative), congenital defects, abortion, mental retardation, blindness and deafness. We supplies a variety of Cytomegalovirus (CMV) antigens: CMV, CMV-M, CMV-EXT 2 and our new CMV Grade III. All antigens are propagated in human fibroblast cells and infected with the viral strain, AD169. The antigen preparations are partially purified to reduce host cell components prior to inactivation by the extraction process or ultraviolet light yielding high sensitivity and low background antigens useful in a variety of solid phase immunoassays. The various CMV antigens are designed by the extraction process to perform best in either an IgG or an IgM solid phase immunoassay but several of the antigens can be used for both IgG and IgM depending on the application. CMV-M antigens are available at a range of concentrations: #MBS318658 (0.3 - 0.4 mg/mL) and # "please inquire" (~1.0mg/mL). The CMV-M antigen process extracts antigens primarily from the nucleus and endoplasmic reticulum of the infected cells to enhance the amount of antigens reacting with the early IgM antibody. In contrast, the entire cell is extracted for the # MBS318642 CMV (0.2 - 0.3 mg/mL) antigen. The CMV EXT2 process for # MBS318664 is designed to select the CMV glycoprotein antigens of the infected fibroblast cells. This enriches for the antigens found on the surface of the cell that react with IgG antibodies. The new CMV Grade III antigen # MBS318657 is purified by column chromatography to enrich for pp65 along with other CMV antigens, see the graphic below. The chromatography purified CMV Grade III has a higher specific activity after the removal of impurities and strong reactivity for both IgG and IgM sera.
Product Categories/Family for CMV antigen	Infectious Disease Antigens and Toxins

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.