

## Datasheet: PIP053C

<b>Description:</b>	NATIVE CYTOMEGALOVIRUS ANTIGEN
<b>Name:</b>	CYTOMEGALOVIRUS
<b>Other names:</b>	CMV
<b>Format:</b>	Purified
<b>Product Type:</b>	Antigen
<b>Quantity:</b>	1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Viral
<b>Product Form</b>	Highly purified native protein - liquid
<b>Preparation</b>	Human Cytomegalovirus strain AD-169 cultured in human foreskin fibroblasts and purified by ultracentrifugation. Purified virus particles lysed and inactivated.
<b>Buffer Solution</b>	TRIS buffered saline 0.02% Triton X-100
<b>Preservative Stabilisers</b>	None present
<b>Approx. Protein Concentrations</b>	Approximate protein concentration 1.0 mg/ml

**Specificity** **Native cytomegalovirus antigen** is derived from the human cytomegalovirus strain AD-169. Cytomegaloviruses are members of the *Herpesviridae* family and are common in primates and are generally host species specific. The most common cytomegalovirus infecting humans is known as HCMV or human herpesvirus-5 (HHV-5). It may be

transmitted from person to person through urine, saliva, breast milk, other bodily fluids and transplanted organs. It is a common infection which mostly passes unnoticed and it is estimated that approximately 60% of the population over the age of 40 and 90% of the population over the age of 80 are infected.

Cytomegalovirus often remains latent in the body but may be activated by changes in the body such as pregnancy, cancer or immunosuppressive diseases. The infection may be dangerous to people who are immunocompromised such as those who are HIV positive or organ transplant recipients. The infection may also be dangerous to pre- and post-natal infants. Anti-viral drugs are useful in the treatment of CMV infection.

This native cytomegalovirus antigen may be used for research into the development of serological assays for the detection of human cytomegalovirus.

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<b>Activity</b>	This product has been rendered inactive by standard procedures. However this material should still be handled as infectious and should be disposed of appropriately.
<b>Instructions For Use</b>	This product should be sonicated immediately before use to ensure the preparation is uniform.
<b>Storage</b>	Store at -70°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.
<b>Guarantee</b>	12 months from date of despatch.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10178 available at: 10178: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10178.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10178.pdf</a>
<b>Regulatory</b>	For research purposes only

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