

**Mouse Anti-CMV [8B1.2/1G5.2/2D4.2]: MC0524, MC0524RTU7**

**Intended Use:** For Research Use Only

**Description:** Cytomegalovirus (CMV) is a member of the family Herpesviridae, which includes Epstein-Barr virus, herpes simplex virus types 1 and 2, varicella-zoster virus, and human herpesvirus 6. CMV is the most common identified cause of congenital infection. Found in several body fluids including saliva, urine, breast milk, cervical secretions, blood, and semen, CMV can be transmitted in a variety of ways, such as blood transfusion and organ transplantation. The typical morphology of infected tissue includes enlarged cells (often to a diameter of 40 mm) with intranuclear, and on occasion, cytoplasmic inclusions. The intranuclear inclusions may measure 17mm in diameter and are usually set off from the nuclear membrane by a clear halo. Not all CMV-infected cells demonstrate the “classic” cytopathic effects associated with antigen of 68 kD found in the nucleus of infected cells. It also immunoprecipitates antigens of 38, 43, 46, and 49 kD.

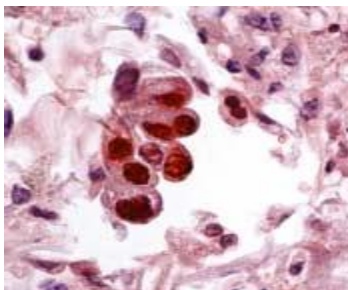
**Specifications:**

Clone: 8B1.2/1G5.2/2D4.2  
Source: Mouse  
Isotype: IgG2k/IgG1k  
Reactivity: Human  
Localization: Nucleus  
Formulation: Antibody in PBS pH7.4, containing BSA, and ≤0.09% sodium azide (NaN3)  
Storage: Store at 2°- 8°C  
Applications: IHC  
Package:

Description	Catalog No.	Size
CMV Concentrated	MC0524	1 ml
CMV Prediluted	MC0524RTU7	7 ml

**IHC Procedure\*:**

Positive Control Tissue: CMV infected tissue  
Concentrated Dilution: 25-100  
Pretreatment: citrate pH6.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C  
Incubation Time and Temp: 30-60 minutes @ RT  
Detection: Refer to the detection system manual  
\* Result should be confirmed by an established diagnostic procedure.



FFPE human CMV infected lung stained with anti-CMV using DAB.

**References:**

1. Cytomegalovirus colitis complicating inflammatory bowel disease. Ahmed Kandiel and Bret Lashner. The American Journal of Gastroenterology, 101(12), 2857-2865, 2006.
2. Presence of occult cytomegalovirus infection in the brain after orthotopic liver transplantation. An autopsy study of 83 cases. Teresa Ribalta et al. Virchows Archiv, 440(2), 166-171, 2002.
3. Human cytomegalovirus infection and abortion: an immunohistochemical study. Liliana Cruz Spano et al. Medical Science Monitor, 8(6), BR230-BR235, 2002. Diagnosis and treatment approaches of CMV infections in adult patients. Rafael E de la Hoz et al. Journal of Clinical Virology, 25 Suppl 2, S1-12. 2002.

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