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Mouse Anti-Human Cytomegalovirus mAb Cocktail (Clones 8B1.2, 1G5.2, & 2D4.2)

Catalog No.	MON3375	**Quantity:**	1 ml

Description: Human cytomegalovirus (CMV) is a β-herpesvirus (human herpesvirus 5) that causes widespread persistent infection. CMV continues to be an important opportunistic pathogen in immunocompromised patients. It is estimated that 30% of transplant recipients experience CMV disease. The range of organ involvement in post-transplant CMV disease is wide; hepatitis occurs in 40% of liver transplant recipients, and pneumonitis is more frequently seen in heart and heart-lung transplant patients. Other organs that are commonly affected are the gastrointestinal tract and the peripheral and central nervous systems. Histologic diagnosis of CMV in fixed tissues usually rests on identifying characteristic cytopathic effects including intranuclear inclusions, cytoplasmic inclusions, or both, especially in the endothelial cells. However,histologic examination lacks sensitivity, and in some cases atypical cytopathic features can be confused with reactive or degenerative changes.

Isotype: Mouse IgG2a

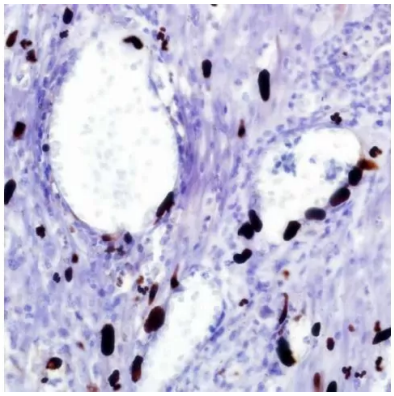
Clones: 8B1.2, 1G5.2, & 2D4.2

Formulation: Supernatant in Tris Buffer, pH 7.3-7.7 containing 1% BSA and < 0.1% sodium azide.

Applications: IHC-P: suggested dilution 1:25 - 1:50

Application Notes: The sensitivity of IHC for detecting CMV infection ranges from 78% to 93%. The sensitivity of IHC is better than light microscopic identification of viral inclusions and compares favorably with culture and in situ hybridization. CMV immunostaining has been used to detect occult CMV infection of the central nervous system in liver transplant patients who develop neurologic complications. It has also been used to demonstrate a high frequency of CMV antigens in tissues from first trimester abortions.

Storage & Stability: Store at 2-8°C until expiration date.



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