OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene EU

Acris Antibodies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info@acris-antibodies.com

Monoclonal Antibody to Cytomegalovirus (CMV) - LA - Azide Free

Catalog No.: BM3106

Quantity: 1 ml

Concentration: 100 µg/ml (OD280 nm, E0.1% = 1.4)

Background: Cytomegalovirus is a member of the herpes virus group, which includes herpes simplex virus types 1 and 2, varicella zoster virus (which causes chicken pox), and Epstein Barr virus (which causes infectious mononucleosis). These viruses share a characteristic ability to remain dormant within the body over a long period.

Host / Isotype: Mouse / IgG1

Clone: BM219

Format: **State:** Liquid purified IgG fraction.
Buffer System: PBS containing 0.1% BSA and 0.09% sodium azide as preservative.

Applications: Suitable for use in Immunohistochemistry (1:50, on fresh cells and on paraffin embedded tissue sections), Western blots and ELISA (1:500-1:1000).
Can be used for standard Immunofluorescence and Immunohistochemical procedures.
In order to prevent aspecific staining, the second antibody either labeled with fluorochrome or with an enzyme should be a F(ab')2 preparation of anti-mouse IgG (preferentially anti-Fc).
In case a low signal is obtained in immunohistochemistry, it is advised to use as second antibody a biotinylated F(ab')2 preparation of anti-mouse IgG followed by a layer with streptavidin-Biotin-HRP complex and silver enhancement.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: Specificity was ascertained by Immunofluorescence on the AD169 strain (ATCC,VR-538), field isolates and a large number of wild strain, immediate early, early and late antigen preparations.
Recognizes in Western blot a structural antigen of 21-23 kD (can be detected by fluorescence assay at 96 hours after infection).
Gives a specific cytoplasmic perinuclear fluorescence only in case of late antigen (LA) expression.
No cross-reactivity with other herpes viruses.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings: Bruning J.H., et. al., (1987), Arch. Viro., *94*, 55.