### Monoclonal Antibody to Epstein Barr Virus / EBV Capsid Antigen (VCA gp160) - Purified

**Alternate names:** HHV-4, HHV4  
**Catalog No.:** BM1087  
**Quantity:** 0.2 mg  
**Concentration:** 1.0 mg/ml  

**Background:** Epstein-Barr virus (EBV), also designated human herpesvirus 4 (HHV-4), is a member of the herpesvirus family and is one of the most common human viruses, infecting about 90% of the population. EBV infects only B lymphocytes and, though often asymptomatic, it can cause infectious mononucleosis, a disease characterized by fatigue, fever, sore throat and muscle soreness. The linear genome of EBV circularizes once it enters the cell and exists there as an episome. EBV may play a role in the development of both Burkitt lymphoma, a disease in which a tumor can form on the mandible or maxilla, and nasopharyngeal carcinoma, a tumor found in the upper respiratory tract, most commonly in the nasopharynx. The viral capsid antigen (VCA) of EBV is used as a marker for screening for viral infection as well as nasopharyngeal carcinoma, and many antigens from the viral capsid are used in diagnostic tests.

**Host / Isotype:** Mouse / IgG2a  
**Recommended Isotype Controls:** AM03096PU-N  
**Clone:** 2E3  
**Immunogen:** EBV wild type  
**Format:**  
- **State:** Liquid purified IgG fraction  
- **Purification:** Affinity Chromatography on Protein A  
- **Buffer System:** PBS  
- **Preservatives:** 0.09% Sodium Azide  

**Applications:** ELISA.  
**Western Blot** (1/100-1/1000).  
**Immunofluorescence:** (1/50-1/500).  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

**Molecular Weight:** 110 kDa (VCA glycoprotein), 150 kDa (non-glycosylated VCA major capsid antigen)  
**Specificity:** This antibody recognises a 160 kDa VCA antigen in immunoblotting. Does not react with CMV, ADV, VSZ, HSV or other EBV antigens.

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For research and in vitro use only. Not for diagnostic or therapeutic work.  
Material Safety Datasheets are available at www.acris-antibodies.com or on request.  
Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com
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Storage: Store 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.

Product Citations: Originator or purchased from resellers:

General Readings: