OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-858-888-7900
Fax: +1-858-888-7904
US-info@acris-antibodies.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

Epstein Barr Virus mosaic EBNA1 - Purified

Catalog No.: AR10523PU-N

Quantity: 0.5 mg

Concentration: 1.0 mg/ml

Background: The Epstein-Barr virus (EBV), also called Human herpes virus 4 (HHV-4), is a virusof the herpes family (which includes Herpes simplex virusand Cytomegalo virus. On infecting the B-lymphocyte, the linear virus genome circularizes and the virus subsequently persists within the cell as an episome. The virus can execute several distinct programs of gene expressionwhich can be broadly categorized as being lytic cycle or latent cycle. The lytic cycleor productive infection results in staged expression of a host of viral proteinswith the ultimate objective of producing infectious virions. Formally, this phase of infection does not inevitably lead to lysis of the host cellas EBV virions are produced by budding from the infected cell. The latent cycle(lysogenic) programs are those that do not result in production of virions. A very limited, distinct set of viral proteins are produced during latent cycle infection. These include Epstein-Barr nuclear antigen(EBNA)-1, EBNA-2, EBNA-3A, EBNA-3B, EBNA-3C, EBNA-leader protein (EBNA-LP) and latent membrane proteins(LMP)-1, LMP-2A and LMP-2B and the Epstein-Barr encoded RNAs(EBERs).

Source: E. coli

Format: **Purity:** >95% pure as determined by 10% PAGE (coomassie staining).
Purification Method: Sepharose-Derived Purification.
Buffer System: 50mM Tris-HCl, 10mM Glutation, 60mM NaCl, 0.5% Sarcosyl

Applications: Antigen in ELISA and Western blots, excellent antigen for detection of HHV-4 (EBV)- with minimal specificity problems.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description: *E.coli* derived recombinant. The mosaic protein contains the HHV-4 EBNA regions.
Specificity: Immunoreactive with sera of EBV-infected individuals.