



# Recombinant EBV P18 Mosaic Protein (DAG1582)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant EBV p18 protein was expressed in <i>E. coli</i> and purified by proprietary chromatographic technique.
<b>Species</b>	EBV
<b>Purity</b>	> 95% pure as determined by 10% PAGE (coomassie staining).
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	EBV-p18 Mosaic antigen is suitable for ELISA and Western blots, excellent antigen for detection of HHV-4 (EBV) with minimal specificity problems.
<b>Size</b>	100 µg, 500 µg, 1 mg
<b>Buffer</b>	50mM Tris-HCl pH 8.0, 60mM NaCl, 10mM glutathione and 50% glycerol.
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	The Epstein-Barr virus (EBV), also called Human herpes virus 4 (HHV-4), is a virus of the herpes family (which includes Herpes simplex virus and Cytomegalovirus). 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 expression which can be broadly categorized as being lytic cycle or latent cycle. The lytic cycle or productive infection results in staged expression of a host of viral proteins with the ultimate objective of producing infectious virions. Formally, this phase of infection does not inevitably lead to lysis of
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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).

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**Keywords**

Epstein-Barr virus; Herpesviridae; Gammaherpesvirinae; Lymphocryptovirus; Human herpesvirus 4; HHV-4; EBV; p18 protein; Epstein-Barr Virus (EBV) p18 (VP26); Recombinant EBV (HHV-4) p18 virus capsid antigen (VP26, BFRF3); VP26; BFRF3; EBV p18; Epstein-Barr

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