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EBV EBNA1

Description: The E.Coli derived recombinant mosaic protein contains the HHV-4 EBNA regions, 1-90, 408-498 amino acids, the Mw is 46kDa (including 26kDa GST tag).

Catalog #:EBPS-278

Purity:EBV-EBNA1 protein is >95% pure as determined by 10% PAGE (coomassie staining).

For research use only.

Purification Method:

EBV-EBNA1 was purified by proprietary chromatographic technique.

Specificty:

Immunoreactive with sera of EBV-infected individuals.

Formulation:

50mM Tris-HCl pH 8, 10mM glutation, 60mM NaCl and 0.5% sarcosyl.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

Applications:

EBV-EBNA1 antigen is suitable for ELISA and Western blots, excellent antigen for detection of HHV-4 (EBV) with minimal specificity problems.

Introduction:

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).

Storage:

EBV-EBNA1 protein althoμgh stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

To place an order, please Click HERE.