



Recombinant EBV [His] (DAG1578)

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

PRODUCT INFORMATION

Product Overview	Recombinant EBV NA protein fused to His Tag at N-terminus was expressed in E. coli and purified by proprietary chromatographic technique.
Species	EBV
Purity	> 95% pure as determined by 10% PAGE (coomassie staining).
Conjugate	His
Applications	Antigen in ELISA and Western blots, excellent antigen for detection of HHV-4 (EBV) with minimal specificity problems.
Size	100 µg, 500 µg, 1 mg
Buffer	PBS and 300mM Imidazole.
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction

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 the host cell as 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).

Keywords

EBV; Epstein-Barr virus; human herpesvirus 4; HHV-4; EBNA-1; Epstein-Barr Virus Nuclear Antigen; EBV Nuclear Antigen protein; human herpesvirus 4 Nuclear Antigen; HHV-4 Nuclear Antigen; Herpesviridae; Gammaherpesvirinae; Lymphocryptovirus; Human herpesvir
