

Recombinant EBV EBNA-1 antigen

Cat. No. EBNA-1-0024E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant EBV EBNA-1 antigen without tag was expressed in HEK293.
Species	EBV
Source	HEK293
Description	Plays an essential role in replication and partitioning of viral genomic DNA during latent viral infection. During this phase, the circular double-stranded viral DNA undergoes replication once per cell cycle and is efficiently partitioned to the daughter cells. EBNA1 activates the initiation of viral DNA replication through binding to specific sites in the viral latent origin of replication, oriP. Additionally, it governs the segregation of viral episomes by mediating their attachment to host cell metaphase chromosomes. Also activates the transcription of several viral latency genes. Finally, it can counteract the stabilization of host p53/TP53 by host USP7, thereby decreasing apoptosis and increasing host cell survival.
Applications	ELISA, CLIA
Notes	For research use only, not for use in diagnostic procedure.
Storage	Short term (up to 7 days) store at 2–8 centigrade. Long term, store at - 20 centigrade. Avoid multiple freeze/thaw cycles.
Storage Buffer	Supplied as a 0.2 µm filtered solution of PBS, pH7.4

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GENE INFORMATION

Gene Name	EBNA-1 nuclear antigen EBNA-1 [Human gammaherpesvirus 4 (Epstein-Barr virus)]
Official Symbol	EBNA-1
Synonyms	EBNA-1; nuclear antigen EBNA-1
Gene ID	3783774
Protein Refseq	YP_401677
UniProt ID	P03211

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