

Mouse Anti-Epstein-Barr Virus EBNA-1 Monoclonal Antibody

Cat. No. CAB-453MH Lot. No. (See product label)

SPECIFICATION

Product Overview

Source	Mouse
Antigen Description	Epstein-Barr virus (EBV) nuclear antigen 1 (EBNA1) is an EBV antigen that is expressed in all EBV-associated malignancies. EBNA1 is known to be required for maintenance of the EBV episome, and is expressed in all forms of EBV latency. Thus, EBNA1 is supposed to play a central role in the maintenance and segregation of the episomal latent EBV genome.
Immunogen	Recombinant human EBNA1 (459-641aa) purified from E. coli.
Clone Number	MAFB4171
Isotype	Mouse IgG1 heavy chain andk light chain.
Clone	Anti-EBNA1 mAb, clone 1B5, is derived from hybridization of mouse SP2/O myeloma cells with spleen cells from BALB/c mice immunized with recombinant Epstein-Barr virus nuclear antigen 1 protein.
Concentration	1mg/ml.
Form	Liquid. Supplied in Phosphate-Buffered Saline (pH 7.4) with 0.1% Sodium Azide.
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and

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store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~1:1000. Recommended starting dilution is 1:1000.

Application

ELISA, WB.

Western Blot Analysis

Cell lysates of B95-8, JiJoye and BJAB (each 20µg) were resolved by 8% SDS-PAGE, transferred to PVDF membrane and probed with anti-EBNA 1 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Arrow indicates wild type EBNA 1 protein (about 87kDa).

GENE INFORMATION

Gene Name

EBNA-1 EBNA-1 [Human herpesvirus 4]

Official Symbol

EBNA-1

Synonyms

EBNA-1; EBNA-1, QUK transcript

Gene ID

3783774

Protein Refseq

YP_401677

UniProt ID

QQBE31

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