abcam

Product datasheet

Anti-EBV Early Antigen Diffuse Ea-D antibody [G3-E31] ab49668

2 References 1 Image

Overview

Product name	Anti-EBV Early Antigen Diffuse Ea-D antibody [G3-E31]
Description	Mouse monoclonal [G3-E31] to EBV Early Antigen Diffuse Ea-D
Host species	Mouse
Specificity	This antibody is specific to EBV Early Antigen Diffuse Ea-D encoded by the BMRF-1 open reading frame.
Tested applications	**Suitable for:** WB, ICC/IF, IHC-P
Species reactivity	Reacts with Epstein Barr virus (EBV) Not yet tested in other species.
Immunogen	Lysates of B95-8 cells treated with phorbol myristic acid (PMA).
Positive control	Immunocytochemistry: Any cell line with productive EBV infection; Raji cells stimulated with PMA. Western Blotting: B95-8 cell line.

Properties

Form	Liquid
Storage instructions	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.097% Sodium azide Constituent: Tissue culture supernatant
Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	G3-E31
Myeloma	P3x63-Ag8.653
Isotype	IgG1

Applications

The Abpromise guarantee	Our Abpromise guarantee covers the use of ab49668 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		
ICC/IF		
IHC-P		

Application notes

ICC/IF: 1/200 - 1/400.
WB: 1/250 - 1/500. Predicted molecular weight: 50 - 52 kDa.
IHC-P: Use at an assay dependent dilution. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. This antibody gives excellent staining of formalin-fixed, paraffin-embedded B95-8 and Raji cell pellets but has not been fully evaluated on clinical material.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

Relevance

The EBV Early Diffuse Antigen Diffuse EA-D or EBV DNA polymerase accessory protein, is an essential component of the viral DNA polymerase and is required for lytic EBV replication. In addition to its polymerase accessory protein function, it has recently been reported that Ea-D is a transcriptional activator, inducing expression of the essential oriLyt promoter, BHLF1.

Cellular localization

Nuclear

Images

Immunocytochemistry/ Immunofluorescence - Anti-EBV Early Antigen Diffuse Ea-D antibody [G3-E31] (ab49668)

Ab49668, at a dilution of 1/200, staining paraffin embedded Epstein-Barr virus transformed B95-8 cells by Immunocytochemistry. Note intense staining of infected cells only where early virus replication is underway.

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