

Datasheet: 4260-0906

Description:	MOUSE ANTI EPSTEIN-BARR VIRUS NUCLEAR ANTIGEN
Specificity:	EPSTEIN-BARR VIRUS NUCLEAR ANTIGEN
Other names:	EBNA-1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	0211 (6F9/60)
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen			■	
Immunohistology - Paraffin (1)	■			
ELISA			■	
Immunoprecipitation	■			
Western Blotting	■			
Immunofluorescence			■	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

(1) This product requires antigen retrieval using heat treatment prior to staining of paraffin sections.

Target Species	Viral
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	Epstein-Barr virus.

Specificity **Mouse anti Epstein-Barr Virus Nuclear Antigen antibody, clone 0211** recognizes Epstein-Barr Virus Nuclear Antigen, also known as EBNA-1. EBNA-1 is a 641 amino acid ~75 kDa viral protein required to maintain the EBV genomes in proliferating cells. It fulfils this role by binding to recognition sites in the FR and DS elements of the latent origin of DNA replication (oriP) within the episome. This promotes DNA replication and is involved with the partitioning of the episome during cell division and the activation of other viral latency genes.

EBNA1 is able to avoid detection by cytotoxic T-lymphocytes which enables the persistence of latently infected cells that express EBNA1 in the absence of other EBV antigens.

References

1. Joshi, D. *et al.* (2009) Association of Epstein Barr Virus Infection (EBV) with Breast Cancer in Rural Indian Women. [PLoS ONE. 4: 1-8.](#)
2. Tempera, I. *et al.* (2015) Identification of MEF2B, EBF1, and IL6R as Direct Gene Targets of Epstein-Barr Virus (EBV) Nuclear Antigen 1 Critical for EBV-Infected B-Lymphocyte Survival. [J Virol. 90 \(1\): 345-55.](#)
3. Hippocrate A *et al.* (2011) Possible role of EBV in breast cancer and other unusually EBV-associated cancers. [Cancer Lett. 305 \(2\): 144-9.](#)

Storage Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10303 available at: 10303: <https://www.bio-rad-antibodies.com/uploads/MSDS/10303.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)
Human Anti Mouse IgG1 (HCA036...) [HRP](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®549](#),
[DyLight®649](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)

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