

Datasheet: MCA2707

BATCH NUMBER 162157

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:	E1-2.5
Isotype:	IgG2b
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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA	▪			
Immunoprecipitation			▪	
Western Blotting			▪	

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 appropriate negative/positive controls.

Target Species	Viral
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
External Database Links	UniProt: P03211 Related reagents
RRID	AB_906013
Specificity	<p>Mouse anti Epstein-Barr Virus Nuclear Antigen antibody, clone E1-2.5 recognises the repetitive Gly-Ala region of EBV (Epstein-Barr Virus) nuclear antigen 1 (EBNA-1), a viral protein expressed consistently by EBV- associated malignancies.</p> <p>Epstein-Barr Virus, also known as HHV-4 or Human herpesvirus 4, is a member of the herpesvirus family and one of the most common infectious viruses known, being responsible for a wide range of illnesses from infectious mononucleosis to nasal-pharyngeal cancer. EBNA-1 is the only viral protein expressed during group 1 latency and mediates the replication and partitioning of the episome during host cell division, binding to a replication origin (oriP) within the viral genome. The Gly-Ala repeat recognized by Mouse anti Epstein-Barr Virus Nuclear Antigen antibody, clone E1-2.5, inhibits the host's CD8-restricted cytotoxic T-cell response to infected cells, by impairing antigen processing and MHC class I-restricted antigen presentation.</p>
References	1. Sim, A.C. <i>et al.</i> (2013) Defining the expression hierarchy of latent T-cell epitopes in Epstein-Barr virus infection with TCR-like antibodies. Sci Rep. 3: 3232.
Further Reading	1. Münz, C. (2004) Epstein-barr virus nuclear antigen 1: from immunologically invisible to a promising T cell target. J Exp Med. 199 (10): 1301-4.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2707 10040
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)

Goat Anti Mouse IgG IgA IgM (STAR87...) [HRP](#)
Goat Anti Mouse IgG (STAR76...) [RPE](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),
[FITC](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets
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