

Datasheet: MCA2707

**BATCH NUMBER 170314**

<b>Description:</b>	MOUSE ANTI EPSTEIN-BARR VIRUS NUCLEAR ANTIGEN
<b>Specificity:</b>	EPSTEIN-BARR VIRUS NUCLEAR ANTIGEN
<b>Other names:</b>	EBNA-1
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	E1-2.5
<b>Isotype:</b>	IgG2b
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Viral
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )

<b>Approx. Protein Concentrations</b>	IgG concentration 1.0mg/ml
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P03211</a> <a href="#">Related reagents</a>
<b>RRID</b>	AB_906013
<b>Specificity</b>	<p><b>Mouse anti Epstein-Barr Virus Nuclear Antigen antibody, clone E1-2.5</b> 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>
<b>References</b>	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. <a href="#">Sci Rep. 3: 3232.</a>
<b>Further Reading</b>	1. Münz, C. (2004) Epstein-barr virus nuclear antigen 1: from immunologically invisible to a promising T cell target. <a href="#">J Exp Med. 199 (10): 1301-4.</a>
<b>Storage</b>	<p>Store at +4°C or at -20°C if preferred.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/MCA2707">https://www.bio-rad-antibodies.com/SDS/MCA2707</a> 10040
<b>Regulatory</b>	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](https://bio-rad-antibodies.com/datasheets)  
'M367357:200529'

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