Datasheet: MCA2707

BATCH NUMBER 162094

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	**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. 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.
References	1. Sim, A.C. *et al.* (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	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. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
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

'M389463:210806'

Printed on 10 Jul 2024