

Datasheet: MCA2717

BATCH NUMBER 161004

Description:	MOUSE ANTI INFLUENZA B NUCLEOPROTEIN
Specificity:	INFLUENZA B NUCLEOPROTEIN
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	B114
Isotype:	IgG2b
Quantity:	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
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 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	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Influenza B/Lee/40 and B/Singapore/-222/79 viruses.
RRID	AB_915341

Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the P3Ag8.653 mouse myeloma cell line.
Specificity	Mouse anti Influenza B Nucleoprotein antibody, clone B114 recognises a species specific conserved epitope within the nucleoprotein of influenza B virus. The influenza viruses, classified as type A, B and C, are members of the <i>Orthomyxoviridae</i> family which differ in their epidemiology and host ranges and lack serological cross-reactivity of their internal components, especially their matrix proteins and nucleoprotein. Influenza B virus is a slow-mutating single stranded RNA virus subject to antigenic drift which, although enough to prevent lasting immunity, prevents influenza B from causing pandemics. Mouse anti Influenza B Nucleoprotein antibody, clone B114 can be used in influenza B IFA typing in conjunction with MCA403 (clone B017).
Further Reading	1. Londo, D.R. <i>et al.</i> (1983) Complete nucleotide sequence of the nucleoprotein gene of influenza B virus. J Virol. 47 (3): 642-8.
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.
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/MCA2717 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
Rabbit Anti Mouse IgG (STAR13...)	HRP
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
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

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

'M367366:200529'

Printed on 18 Jan 2024

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