

YSRTMCA403

Description: MOUSE ANTI INFLUENZA B NUCLEOPROTEIN

Specificity: INFLUENZA B NUCLEOPROTEIN

Applications: E, IF, WB

Format: Purified

Product Type: Monoclonal Antibody

Clone: B017 (B35G)

Isotype: IgG2b

Quantity: 1 mg

Product Details

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.

Applications	Yes No		Not Determined	Suggested Dilution	Ref. Images
Flow Cytometry		▪			
Immunohistology - Frozen			▪		
Immunohistology - Paraffin			▪		
Immunohistology - Resin			▪		

YSRTMCA403 can be used in influenza B IFA typing in conjunction with YSRTMCA2717 (clone B114).

1. Walls, H. H. *et al.* (1986) Characterization and evaluation of monoclonal antibodies developed for typing Influenza A and Influenza B viruses. [J. Clin. Micro. 23: 240-245.](#)
2. Zhirnov, O. P. *et al.* (1999) Caspase-dependent N-terminal cleavage of Influenza virus nucleocapsid protein in infected cells [J. Virol. 73: 10158-10163.](#)
3. Ehrhardt, C. *et al.* (2007) Activation of Phosphatidylinositol 3-Kinase signaling by the nonstructural NS1 protein is not conserved among Type A and B Influenza viruses. [J. Virol. 81: 12097-12100.](#)
4. Goujon, C. *et al.* (2010) Characterization of the Alpha Interferon-Induced Postentry Block to HIV-1 Infection in Primary Human Macrophages and T Cells. [J Virol. 84: 9254-66.](#)
5. Dauber, B. *et al.* (2009) Influenza B virus ribonucleoprotein is a potent activator of the antiviral kinase PKR. [PLoS Pathog. 5:e1000473.](#)

Store at +4°C or at -20°C if preferred.
This product should be stored undiluted.
Storage Storage in frost free freezers is not recommended. 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

YSRTMCA2717

Description: MOUSE ANTI INFLUENZA B NUCLEOPROTEIN

Specificity: INFLUENZA B NUCLEOPROTEIN

Applications: IF

Format: Purified

Product Type: Monoclonal Antibody

Clone: B114

Isotype: IgG2b

Quantity: 1 mg

Product Details

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.

	Yes	No	Not Determined	Suggested Dilution	Ref. Images
Applications					
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.				
Fusion	Spleen cells from immunised BALB/c mice were fused with cells of the				

Gentaur Molecular Products
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1910 Kampenhout, Belgium

Partners P3Ag8.653 mouse myeloma cell line.

MCA2717 recognises a species specific conserved epitope within the nucleoprotein of influenza B virus.

Specificity The influenza viruses, classified as type A, B and C, are members of the *Orthomyxoviridae* 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.

YSRTMCA2717 can be used in influenza B IFA typing in conjunction with YSRTMCA403(clone B017).

References 1. Londo, D.R. *et al.* (1983) Complete nucleotide sequence of the nucleoprotein gene of influenza B virus. [J. Virol. 47: 642-648.](#)

Store at +4°C or at -20°C if preferred.
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Storage 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.

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