DATA SHEET

Datasheet: ABS4141

Description: MOUSE ANTI INFLUENZA B NUCLEOPROTEIN
Specificity: INFLUENZA B NUCLEOPROTEIN
Format: Purified
Product Type: Monoclonal Antibody
Clone: B017 (B35G)
Isotype: IgG2b
Quantity: 1 mg

Applications: This product has been reported to work in the following applications. This information is derived from testing within
our laboratories, peerreviewed
publications or personal communications from the originators. Please refer to
references indicated for further information.

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

Yes No Not Determined Suggested Dilution
Flow Cytometry
Immunohistology Frozen
Immunohistology Paraffin
Immunohistology Resin
ELISA
Immunoprecipitation
Western Blotting
Immunofluorescence

Target Species: Viral
Product Form: Purified IgG liquid
Preparation: Purified IgG prepared by affinity chromatography from tissue culture supernatant.
Buffer Solution: Phosphate buffered saline
Preservative
Stabilisers
0.09% Sodium Azide
Approx. Protein
Concentrations
IgG concentration 1.0 mg/ml
Immunogen Influenza B/Lee/40 and B/Singapore/222/
79 viruses.
Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the P3 Ag8.653 mouse myeloma cell line.
Specificity MCA403 specifically recognises an epitope within the nucleoprotein of influenza B virus.
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 crossreactivity
of their internal components, especially
their matrix proteins and nucleoprotein. Influenza B virus is a slowmutating
single stranded RNA virus subject to
antigenic drift which, although enough to prevent lasting immunity, prevents influenza B from causing pandemics

References 1. Walls, H. H. *et al*. (1986) Characterization and evalution of monoclonal antibodies developed for typing Influenza A and Influenza B viruses. J. Clin. Micro. 23: 240245.
2. Zhirnov, O. P. *et al.* (1999) Caspasedependent
Nterminal cleavage of Influenza virus nucleocapsid protein in infected cells J. Virol. 73: 1015810163.
3. Ehrhardt, C. *et al.* (2007) Activation of Phosphatidylinositol 3Kinase
signaling by the nonstructural NS1 protein is not conserved among Type A and B Influenza viruses. J. Virol. 81: 1209712100.
4. Goujon, C. *et al.* (2010) Characterization of the Alpha InterferonInduced
Postentry Block to HIV1
Infection in Primary Human Macrophages and T Cells. J Virol. 84: 925466.
5. Dauber, B. *et al.* (2009) Influenza B virus ribonucleoprotein is a potent activator of the antiviral kinase PKR. PLoS Pathog. 5:e1000473.
Storage Store at: +4oC or at 20oC
if preferred. This product should be stored undiluted.
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.

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