

Monoclonal Antibody to Influenza B (Nucleoprotein) - Purified

Catalog No.:	SM1749P
Quantity:	1 mg
Concentration:	1.0 mg/ml
Background:	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.
Host / Isotype:	Mouse / IgG2b
Recommended Isotype Controls:	SM12P, AM03110PU-N
Clone:	B017
Immunogen:	Influenza B/Lee/40 and B/Singapore/-222/79 viruses. Spleen cells from immunised BALB/c mice were fused with cells of the P3 Ag8.653 mouse myeloma cell line.
Format:	State: Liquid purified IgG Purification: Affinity chromatography Buffer System: PBS, pH7.5 containing 0.09% Sodium Azide
Applications:	ELISA. Western Blot. Immunofluorescence. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody specifically recognises an epitope within the nucleoprotein of influenza B virus.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Walls HH, Harmon MW, Slagle JJ, Stocksdales C, Kendal AP. Characterization and evaluation of monoclonal antibodies developed for typing influenza A and influenza B viruses. J Clin Microbiol. 1986 Feb;23(2):240-5. PubMed PMID: 3517049.