



Mouse Anti-Pan Influenza B Nucleoprotein/NPmonoclonal antibody, clone NN21 (CABT-ZB872)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It has cross-reactivity in ELISA and WB with Influenza B (B/Austria/1359417/2021) NP Protein. It has cross-reactivity in ELISA with Influenza B (B/Brisbane/60/2008) NP, Influenza B (B/Colorado/06/2017) NP, Influenza B (B/Florida/4/2006) NP, Influenza B (B/Phuket/3073/2013) NP, Influenza B (B/Victoria/705/2018) NP, Influenza B (B/Washington/02/2019) NP. It has no cross-reactivity in WB and ELISA with H3N2 (A/Darwin/9/2021)/(A/Darwin/6/2021) NPProtein. It has no cross-reactivity in ELISA with H1N1 (A/Brevig Mission/1/1918) NP, H1N1 (A/Brisbane/02/2018) NP, H1N1 (A/California/07/2009) NP, H1N1 (A/Guangdong-Maonan/SWL1536/2019) NP, H1N1 (A/Hawaii/70/2019) NP, H1N1 (A/Michigan/45/2015) NP, H1N1 (A/Puerto Rico/8/34/Mount Sinai) NP, H1N1 (A/Victoria/2570/2019)/(A/Wisconsin/588/2019) NP, NP, H3N2 (A/Aichi/2/1968) NP, H3N2 (A/Cambodia/e0826360/2020 (H3N2)-like NP, H3N2 (A/Hong Kong/1/1968) NP, H3N2 (A/HongKong/2671/2019) NP, H3N2 (A/Hong Kong/45/2019) NP, H3N2 (A/Hong Kong/4801/2014) NP, H3N2 (A/Kansas/14/2017) NP, H3N2 (A/Switzerland/9715293/2013) NP, H7N9 (A/Anhui/1-BALF_RG6/2013) NP, H7N9 (A/Shanghai/2/2013) NP, SARS-CoV-2 Nucleocapsid Protein, HCoV-229E Nucleocapsid Protein, HCoV-NL63 Nucleocapsid Protein, HCoV-HKU1 Nucleocapsid Protein, HCoV-OC43 Nucleocapsid Protein.
Target	IBV Nucleoprotein
Immunogen	Recombinant Influenza B (B/Florida/4/2006) Nucleoprotein/NP Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	IBV

Clone	NN21
Purification	Protein A purified
Conjugate	Unconjugated
Applications	<p>WB, ELISA, ELISA(det)</p> <p>We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB500 - CABT-ZB872</p> <p>This antibody will detect Influenza B (B/Washington/02/2019) Nucleoprotein/NP in antibody pair set. [ABPR-ZB075]</p>
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Influenza B (B/Florida/4/2006) Nucleoprotein / NP Protein. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific
Size	100 µg
Buffer	PBS
Preservative	None
Storage	<p>This antibody can be stored at 2°C-8°C for one month without detectable loss of activity.</p> <p>Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.</p>
Ship	Wet ice

BACKGROUND

Introduction	Influenza virus B is a genus in the virus family Orthomyxoviridae. A limited host range means that Influenza virus B pandemics are rare. The nucleoprotein protects the negative-strand viral RNA from nucleases by encapsidating it. Encapsidated genomic RNA is termed the ribonucleoprotein (RNP) and serves as template for transcription and replication.
Keywords	Influenza B Virus NP; NP; Nucleocapsid protein; Nucleoprotein; Protein N; Influenza B (Nucleoprotein); Orthomyxoviridae; Influenza virus B; Influenza virus nucleoprotein; Flu_NP; Influenza B Nucleoprotein