



Mouse Anti-Pan Influenza B Nucleoprotein/NP monoclonal 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-HKU1Nucleocapsid 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	WB, ELISA, ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB500 - CABT-ZB872 This antibody will detect Influenza B (B/Washington/02/2019) Nucleoprotein/NP in antibody pair set. [ABPR-ZB075]
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	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. 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.
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; Influenzavirus B; Influenza virus nucleoprotein; Flu_NP; Influenza B Nucleoprotein