



Rabbit Anti-Pan Influenza B Nucleoprotein/NP monoclonal antibody, clone S147 (CABT-ZB500)

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

PRODUCT INFORMATION

Specificity

It reacts with Influenza B Nucleoprotein/NP

It has cross-reactivity in ELISA and WB with Influenza B (B/Austria/1359417/2021) NP Protein, 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/Washington/02/2019) NP.

It has cross-reactivity in ELISA with Influenza B (B/Victoria/705/2018) NP

It has no cross-reactivity in ELISA and WB 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 (I116M), H1N1 (A/Victoria/2570/2019)/(A/Wisconsin/588/2019) NP, H2N2 (A/Ann Arbor/6/1960) NP, H3N2 (A/Aichi/2/1968) NP, H3N2 (A/Cambodia/e0826360/2020 (H3N2)-like) NP, H3N2 (A/HongKong/1/1968) NP, H3N2 (A/Hong Kong/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.

It has no cross-reactivity in ELISA with SARS-CoV-2 Nucleocapsid Protein, HCoV-229E Nucleocapsid Protein, HCoV-NL63 Nucleocapsid Protein, HCoV-HKU1 Nucleocapsid Protein, HCoV-OC43 Nucleocapsid Protein.

It has no cross-reactivity in WB with H3N2 (A/Darwin/9/2021)/(A/Darwin/6/2021) NP Protein.

Target	IBV Nucleoprotein
Immunogen	Recombinant Influenza B (B/Florida/4/2006) Nucleoprotein/NP Protein
Isotype	IgG

Source/Host	Rabbit
Species Reactivity	IBV
Clone	S147
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB, ELISA, ELISA(cap), 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 obtained from a rabbit immunized with purified, recombinant Influenza B (B/Florida/4/2006) Nucleoprotein / NP Protein.
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