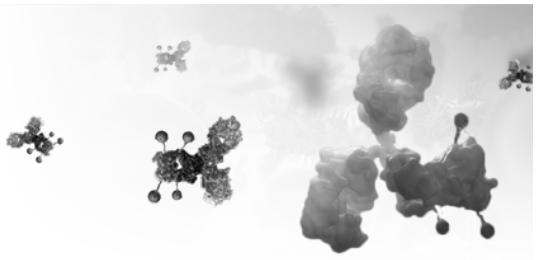

Mouse Anti-Influenza A H1N1 (A/California/07/2009) Nucleoprotein/NP monoclonal antibody, clone NN29 (CABT-ZB1117)

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

PRODUCT INFORMATION

Specificity	It reacts with H1N1 Nucleoprotein/NP It has 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 (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/Darwin/9/2021)/(A/Darwin/6/2021) NP Protein, H3N2 (A/Hong Kong/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 WB and ELISA with Influenza B (B/Austria/1359417/2021) NP Protein. It has no 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/Washington/02/2019) NP, SARS-CoV-2 Nucleocapsid Protein, HCoV-229E Nucleocapsid Protein, HCoV-NL63 Nucleocapsid Protein, HCoV-HKU1 Nucleocapsid Protein, HCoV-OC43 Nucleocapsid Protein.
Target	H1N1 NP
Immunogen	Recombinant Influenza A H1N1 (A/California/07/2009) Nucleoprotein/NP Protein
Isotype	IgG

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Source/Host	Mouse
Species Reactivity	IVA
Clone	NN29
Purification	Protein A purified
Conjugate	Unconjugated
Applications	WB, ELISA, ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB828 - CABT-ZB1117 This antibody will detect Influenza A H1N1 (A/California/07/2009) Nucleoprotein/NP in antibody pair set. [ABPR-ZB409]
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 A H1N1. 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 A viral nucleoprotein (NP) plays a critical role in virus replication and host adaptation. The influenza A virus nucleoprotein (NP) is an essential multifunctional protein that encapsidates the viral genome and functions as an adapter between the virus and the host cell machinery. NPs from all strains of influenza A viruses contain two nuclear localization signals (NLSs): a well-studied monopartite NLS1 and a less-characterized NLS2, thought to be bipartite. The nucleocapsid is a complex of the viral nucleoprotein, RNA, and several other viral proteins. The nucleoprotein forms large, RNA-bound, helical filaments and acts as a scaffold for

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	additional viral proteins.
Keywords	Influenzavirus A; Influenza A virus; Influenza A virus H1N1 NP; H1N1 NP

GENE INFORMATION

Synonyms	Influenzavirus A; Influenza A virus; Influenza A virus H1N1 NP; H1N1 NP; IAV NP

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