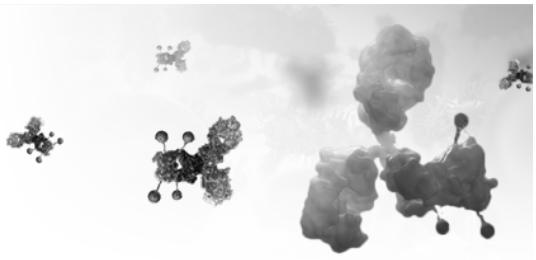

Mouse Anti-IAV H1N1 (A/New Caledonia/20/99) NP Monoclonal Antibody, Clone 356 (CABT-CS785)

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

PRODUCT INFORMATION

Specificity	High specificity to NP of Influenza A, no cross reactivity to NP of Influenza B virus.
Target	H1N1 NP
Immunogen	Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with purified influenza A/New Caledonia/20/99 virus (H1N1).
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	IAV
Clone	356
Purification	Protein G Sepharose chromatography
Conjugate	unconjugated
Applications	ELISA, IHC, WB
Format	Liquid
Concentration	1 mg/mL
Size	100 µg
Buffer	PBS with 0.1% sodium azide

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Preservative	0.1% sodium azide
Storage	Store at -20°C; Stable for at least 1 month from the date of shipment at 4°C.

BACKGROUND

Introduction	Influenza virus NP is a major structural protein in virus particles and has multiple functions in the viral infectious cycle. It is a basic protein rich in arginine with a net positive charge of +14 at pH 6.5. In vitro it binds to RNA nonspecifically, yet in vivo NP binds only to complete cRNA (plus polarity) and vRNA (minus polarity), forming cRNP and vRNP, respectively, and does not bind to viral mRNA (plus polarity) possessing 5´ cap and 3´ poly(A) sequences.
Keywords	Influenzavirus A; Influenza A virus; Influenza A virus H1N1; H1N1; IAV H1N1; IAV H1N1 Nucleoprotein; IAV H1N1 NP; H1N1 Nucleoprotein; H1N1 N Protein

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