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Product datasheet for AM00924PU-N

Influenza A (Nucleoprotein) Mouse Monoclonal Antibody [Clone ID: 431]

Product data:

Product Type:	Primary Antibodies
Clone Name:	431
Applications:	ELISA, IF
Recommended Dilution:	**ELISA.** **Immunofluorescence.** **Immunocytochemistry.**
Reactivity:	Influenza A Virus
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Purified Virions
Specificity:	This antibody reacts with Influenza A Nucleoprotein virus. Influenza A-Specific for Nucleoprotein. **Strain Reactivity:** A/Hong Kong/1/68 A/Lenningrad/358/80 A/Sychuan/2/87 A/Zakarpatje/354/89 A/St. Petersburg/40/92 A/Beijing/32/92 A/swine/1976/31 A/PR/8/34 A/FM/1/86 A/Leningrad/325/88 A/Texas/36/91 A/Taiwan/1/86 A/Leningrad/459/80 A/hen/Kishinev/75 A/duck/Alberta/35/76 A/duck/Ukraine/1/63 A/duck/California/72

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Formulation:	0.01M PBS, pH 7.2 with 0.09% Sodium Azide as preservative and without stabilizing proteins. State: Purified State: Liquid purified Ig fraction (>90% pure).
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Background:	The nucleoprotein (NP) of Influenza virus encapsulates the negative strand of the viral RNA and is essential for replicative transcription. It may also be involved in other essential functions throughout the virus life cycle. As well as binding ssRNA, NP is able to self associate to form large oligomeric complexes. NP is able to interact with a variety of other macromolecules of both viral and cellular origins. It binds the PB1 and PB2 subunits of the polymerase and the matrix protein M1. "NP has also been shown to interact with at least four cellular polypeptide families: nuclear import receptors of the importin class, filamentous (F) actin, the nuclear export receptor CRM1 and a DEAD box helicase BAT1/UAP56" (Portela et al 2002).
Synonyms:	Influenza A Virus, Seasonal Flu

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