

## Product datasheet for **AM01161PU-N**

### Influenza A (Nucleoprotein N1) Mouse Monoclonal Antibody [Clone ID: A1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	A1
Applications:	IF, IHC
Recommended Dilution:	<b>Immunofluorescence.</b> <b>Immunohistochemistry on Frozen Sections.</b>
Reactivity:	Influenza A Virus
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Specificity:	This antibody recognises the Influenza type A nucleoprotein. It demonstrates stronger binding with N1 type influenza A. No cross reactivity is seen with influenza B or other respiratory viruses. Reactivity with virus isolated from other species has not been confirmed with the exception of Avian H5N1 strain.
Formulation:	PBS containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**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