

Product datasheet for **AM00929PU-N**

Influenza A (Nucleoprotein) Mouse Monoclonal Antibody [Clone ID: B247M]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B247M
Applications:	ELISA, WB
Recommended Dilution:	Suitable for use in ELISA and Western Blot . <u>Recommended pair for Sandwich Immunoassay:</u> Capture/Detection: AM00929PU-N/AM00930PU-N
Reactivity:	Influenza A Virus
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Influenza virus type A (H1N1). Hybridization of Sp2/0 myeloma cells with spleen cells from BALB/c mice.
Specificity:	This antibody reacts with Influenza Virus type A Nucleoprotein. Does not crossreact with Influenza Virus type B Nucleoprotein.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction (>90% pure by SDS-PAGE).
Concentration:	lot specific
Purification:	Protein A Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.



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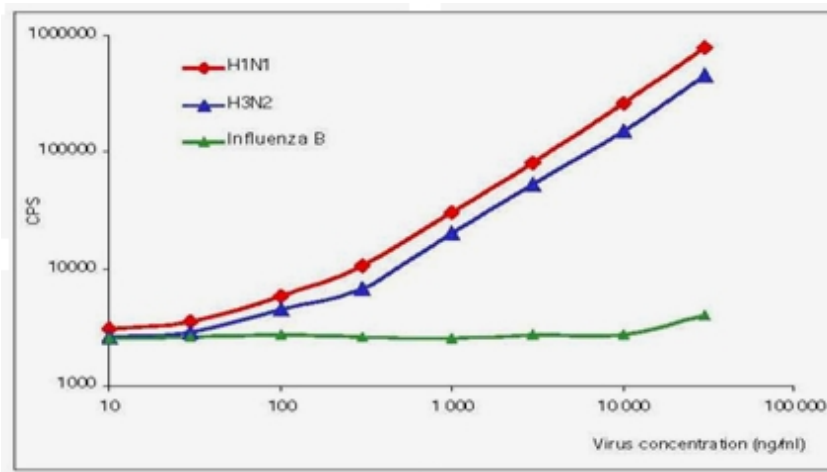
Background:

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

Product images:

Calibration curve for Influenza A NP Immunodetection in Sandwich Fluoroimmunoassay. Capture: AM00929PU-N, 1g/well Detection (Eu-labeled): [AM00930PU-N], 0.2g/well Incubation time: 45 minutes H1N1 - Influenza A/New Caledonia/20/99 H3N2 - Influenza A/Shangdong