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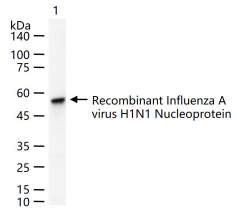
Influenza A virus Nucleoprotein H1N1 Mouse mAb

Catalog Number:	bsm-44023M
Target Protein:	Influenza A virus Nucleoprotein H1N1
Concentration:	1mg/ml
Form:	Liquid
Host:	Mouse
Clonality:	Monoclonal
Isotype:	IgG
Applications:	WB (1:500-2000)
Reactivity:	Influenza A Nucleoprotein [A/Victoria/4897/2022 (H1N1)]
Predicted MW:	57 kDa
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
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).

VALIDATION IMAGES



20 ng rInfluenza A virus H1N1(A/Victoria/4897/2022)Nucleoprotein-His protein (bs-44023P) per lane probed with Influenza A virus Nucleoprotein H1N1 monoclonal antibody respectively, unconjugated (bsm-44023M) at 1:1000 dilution and 4°C overnight incubation. Followed by corresponding conjugated secondary antibody incubation at r.t. for 60 min.