

## MERS-CoV (NCoV / Novel coronavirus) Nucleoprotein / NP Insect Cell Lysate (WB positive control)

Catalog_no :	AD-PD400135
Applications :	Western Blot (WB) Optimal dilutions/concentrations should be determined by the end user.
Category :	冠状病毒产品
Size :	300µg
Source :	Baculovirus-Insect cells
Storage_stability :	Store at 4°C for up to twelve months from date of receipt. After re-dissolution, aliquot and store at -80°C for up to twelve months. Avoid repeated freeze-thaw cycles.
Molecular Weight :	The recombinant Nucleoprotein (Human betacoronavirus 2c EMC/2012) comprises 423 amino acids and has a predicted molecular mass of 46.4 kDa. It migrates as an approximately 46 kDa band in SDS-PAGE under reducing conditions.
Background :	Coronaviruses are enveloped viruses with a positive-sense RNA genome and with a nucleocapsid of helical symmetry. Coronavirus nucleoproteins localize to the cytoplasm and the nucleolus, a subnuclear structure, in both virus-infected primary cells and in cells transfected with plasmids that express N protein. Coronavirus N protein is required for coronavirus RNA synthesis, and has RNA chaperone activity that may be involved in template switch. Nucleocapsid protein is a most abundant protein of coronavirus. During virion assembly, N protein binds to viral RNA and leads to formation of the helical nucleocapsid. Nucleocapsid protein is a highly immunogenic phosphoprotein also implicated in viral genome replication and in modulating cell signaling pathways. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.
缓冲液 :	1 X Sample Buffer (1 X modified RIPA buffer+1 X SDS loading buffer).
注意事项 :	1. Centrifuge the tube for a few seconds and ensure the pellet at the bottom of the tube. 2. Re-dissolve the pellet using 200µL pure water and boil for 2-5 min.
classification_1 :	MERS-CoV coronavirus NP Overexpression Lysate; MERS-CoV coronavirus Nucleocapsid Overexpression Lysate; MERS-CoV coronavirus Nucleoprotein Overexpression Lysate; MERS-CoV cov np Overexpression Lysate; MERS-CoV nCoV NP Overexpression Lysate; MERS-CoV
reference :	1. Van Boheemen S, et al. (2012), MBio. 3(6):e00473-12. 2. Bisht H. et al., 2004, Proc Natl Acad Sci. 101 (17): 6641-6. 3. Li W. et al., 2005, Science. 309 (5742): 1864-8.
裂解缓冲液 :	Modified RIPA Lysis Buffer: 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1mM EDTA, 1% Triton X-100, 0.1% SDS, 1% Sodium deoxycholate, 1mM PMSF.