



MAV107 Recombinant Human anti-COVID-19/SARS-CoV-2 Nucleocapsid Protein Monoclonal Antibody DATA SHEET

Catalog Number	MAV107
Product Name	Recombinant Human anti-COVID-19/SARS-CoV-2 Nucleocapsid Protein Monoclonal Antibody
Clonity	Recombinant mAb
Alias	SARS-CoV-2 Nucleocapsid Protein antibody, 2019-nCoV, Coronavirus, N protein antibody
Size	100ul,500ul,1ml
Concentration	1mg/ml
Clone Number	4B5
Isotype	IgG1
Species	COVID-19
Host	Human
Applications	ELISA, Colloidal Gold, POCT, Native Virus Detection, WB
Endotoxin	<0.1EU/ug determined by LAL method.
Biological Activity	IC50 = 31 ng/mL using ELISA method
Buffer	0.01M PBS, pH 7.4
Cross-Reactivity	React with SARS-CoV-2(COVID-19) N protein. Do not react with other SARS-CoV-2 subunits.
Background	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. N protein packages the positive strand viral genome RNA into a helical ribonucleocapsid (RNP) and plays a fundamental role during virion assembly through its interactions with the viral genome and membrane protein M. Plays an important role in enhancing the efficiency of subgenomic viral RNA transcription as well as viral replication. Because of the conservation of N protein sequence and its strong immunogenicity, the N protein of coronavirus is chosen as a diagnostic tool.
Storage	This product can be stored at 2°C-8°C for one month. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Avoid repeated freeze-thaw cycles.
Shipping Condition	Shipped on ice packs.
Note	This product is used for research use only. Not for human or diagnostic use.

For Research Use Only!