



Anti-SARS-CoV Nucleocapsid Monoclonal antibody, Clone W152K152 (DMAB8869)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Monoclonal Antibody to SARS Nucleocapsid Protein. It has recently been shown that SARS is caused by a human coronavirus. Human coronaviruses are the major cause of upper respiratory tract illness in humans, such as the common cold. Coronaviruses are posit
Specificity	Specifically recognizes SARS Nucleocapsid Protein.
Target	SARS-CoV Nucleocapsid
Immunogen	The antibody was developed by immunizing mice with full-length recombinant SARS nucleocapsid protein.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	SARS-CoV
Clone	W152K152
Conjugate	Unconjugated
Applications	WB
Reconstitution	Please Note: Always centrifuge product briefly before opening vial.
Format	Solution (100 µg/200µl) in PBS containing 0.05% sodium azide.
Preservative	0.05% Sodium Azide
Storage	Store at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid frequent freezingthawing cycles.

BACKGROUND

Introduction Severe Acute Respiratory Syndrome (SARS), an emerging disease characterized by atypical pneumonia, has recently been attributed to a novel coronavirus (SARS-CoV). SARS is caused by a human coronavirus, which are the major cause of upper respiratory tract illness in humans, such as the common cold. Coronaviruses are positive stranded RNA viruses, featuring the largest viral RNA genomes known to date (27-31 kb). The spike protein is the main surface antigen of the coronavirus. The most prominent protein in the culture supernatants infected with SARS virus is a 46 kDa nucleocapsid protein. This suggests that the nucleocapsid protein is a major immunogen that may be useful for early diagnostics. The nucleocapsid protein of SARS shares little homology with nucleocapsid proteins of other members of the coronavirus family. Nucleocapsid proteins of other coronavirus have been reported to be involved in forming the viral core and also in the packaging and transcription of the viral RNA.

Keywords SARS Nucleocapsid Protein; SARS-N; N; N structural protein; NC; Nucleocapsid protein; Nucleoprotein; Protein N; SARS coronavirus N protein; SARS CoV; SARSCoV; Severe acute respiratory syndrome; Severe Acute Respiratory Syndrome; SARS; SARS CoV Envelope pr