

SARS Coronavirus Nucleoprotein Monoclonal Antibody (1C7C7)

Catalog Number 37-5200

Product data sheet

Details		Species Reactivity	
Size	100 µg	Species reactivity	Virus
Host/Isotope	Mouse / IgG2a	Tested Applications	
Class	Monoclonal	ELISA (ELISA)	0.1-2.0 µg/mL
Type	Antibody	Western Blot (WB)	1-5 µg/mL
Clone	1C7C7	Immunocytochemistry (ICC/IF)	1-5 µg/mL
Immunogen	Recombinant SARS (severe acute respiratory syndrome) nucleoprotein	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.5 mg/mL		
Storage Conditions	-20°C		

Background/Target Information

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 positive-stranded RNA viruses, featuring the largest viral RNA genomes known to date (27-31 kb). The first step in coronavirus infection is binding of the viral spike protein, a 139-kDa protein, to certain receptors on host cells. 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.

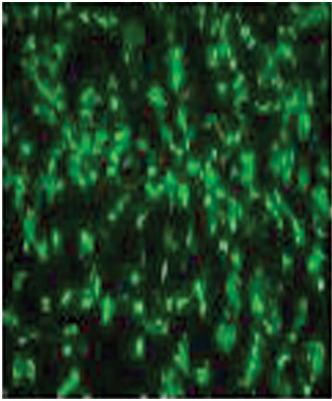
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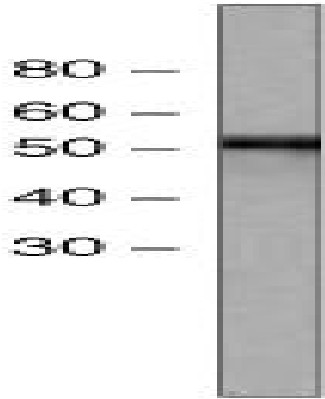
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Product Images For SARS Coronavirus Nucleoprotein Monoclonal Antibody (1C7C7)



SARS Coronavirus Nucleoprotein Antibody (37-5200) in ICC/IF
Immunofluorescent staining of MDCK cells transfected with SARS-CoV nucleoprotein using Ms anti-SARS Nucleoprotein (Cat. no. 37-5200).



SARS Coronavirus Nucleoprotein Antibody (37-5200) in WB
Western blot analysis of SARS CoV nucleoprotein-transfected HEK293 cells using Ms anti-SARS nucleoprotein (Cat. no. 37-5200).

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