

SARS-CoV-2 NTD antibody 181C12

Cat. No.	Ab-P0033						
Product name	SARS-CoV-2 RBD antibody 181C12						
Size	100 µg						
Host Species	Mouse						
Specificity	○ : work, — : not work						
	<table border="1"> <thead> <tr> <th></th> <th>ELISA</th> </tr> </thead> <tbody> <tr> <td>SARS-CoV-1 S1-His</td> <td>—</td> </tr> <tr> <td>SARS-CoV-2 NTD-mFc</td> <td>○</td> </tr> </tbody> </table>		ELISA	SARS-CoV-1 S1-His	—	SARS-CoV-2 NTD-mFc	○
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SARS-CoV-1 S1-His	—						
SARS-CoV-2 NTD-mFc	○						

Form	Liquid
Storage	Store at -20°C. Avoid multiple freeze-thaw cycles.
purity	>90% by SDS-PAGE
Concentration	1mg/ml
Storage buffer	PBS (pH7.4)
Clonality	Monoclonal
Clone number	181C12
Isotype	IgG

Recommended Dilutions	ELISA	1/5,000 – 1/10,000
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Backgrounds

The Spike protein is a large type I transmembrane protein containing two subunits, S1 and S2, mediate the attachment and membrane fusion respectively. The receptor binding domain (RBD) is responsible for recognizing the cell surface receptor, and depending on the virus, either N-terminal domain (NTD) or C-terminal domain (C-domain) can act as RBD. In addition to ACE2 and other surface protein receptors, many coronavirus, such as MERS-CoV, HCoVOC43, and HCoV-HKU1, infect host cells through the binding of NTD region of spike protein and host sialic acid receptors. Since the RBD area is located between NTD areas, the need for research on NTD areas that can interfere with the binding with receptors due to these three dimensional characteristics is growing.

Note : For research use only. Not for use in diagnostic procedures.