

CERTIFICATE OF ANALYSIS

Catalog #:	9551	Lot #:	2125920				
Description:	MAb to SARS-CoV-2 S1, Trimeric Monoclonal Antibody to SARS-CoV-2 Trimeric Spike Protein, Linear Epitope						
Source:	Cell Culture	Isotype:	IgG _{2b}				
Immunogen:	Recombinant SARS-CoV-2 S1 Protein.						
Format:	Purified, Liquid						
Purity:	> 90% (Protein A Purification)						
Concentration:	1.15 mg/mL (OD280nm)						
Buffer:	Phosphate Buffered Saline, pH 7.4						
Preservative:	None						
Appearance:	Clear Liquid						
Applications:	<p>Coronavirus-neutralizing antibodies primarily target the trimeric spike (S) glycoproteins on the viral surface that mediate entry into host cells. This antibody binds to recombinant SARS-CoV-2 trimeric spike protein and can recognize the membrane bound form from the cell line expressing full-length SARS-CoV-2 protein. It also recognizes the G614 and D614G strains. This antibody is specific to SARS-CoV-2 Spike trimeric protein and DOES NOT cross-react with recombinant SARS-CoV, HCoV-229E, HCoV-HKU1, HCoV-NL63 and HCoV-OC43. This antibody with its corresponding pair can detect SARS-CoV-2 trimeric spike protein down to ~300 pg/mL by using TMB substrate in ELISA assay. This antibody with its corresponding pair was prepared against the linear epitope, so it is not conformation dependent.</p> <p>This antibody was designed to work with saliva patient samples that do not require lysis. Every laboratory needs to determine the optimal working conditions for ELISA, Lateral Flow and Western Blot applications. Recommended pair for Immunoassay:</p> <table><tr><td><u>Capture</u></td><td><u>Detection</u></td></tr><tr><td>9550</td><td>9551</td></tr></table>			<u>Capture</u>	<u>Detection</u>	9550	9551
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Storage:	Store at 2 to 8°C.						
Safety Note(s):	Refer to the appropriate Safety Data Sheet (SDS) for additional information.						

Quality Signature:

Beverly L. Orr

16 September 2020

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY