## Recommended Pair - SARS-CoV-2 Nucleoprotein (NP) (85C10) rabbit mAb Biotin Conjugate

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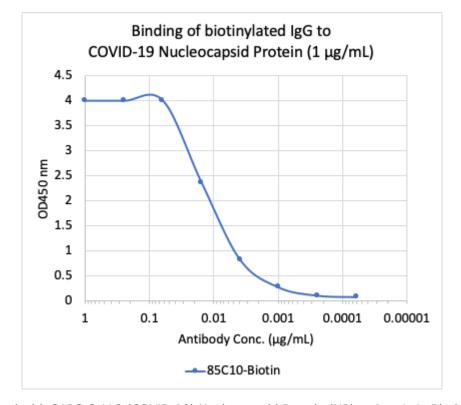
Catalog: #2507 Store at: 2-8°C

For Research Use Only. Not For Use In Diagnostic Procedures.

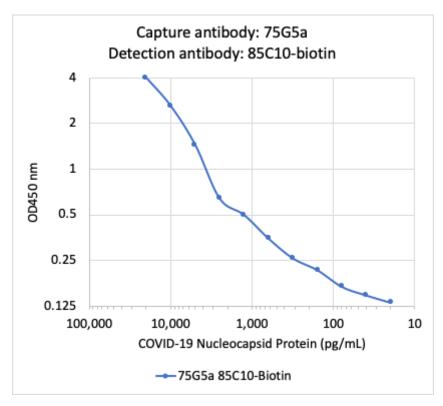
<b>Applications</b> ELISA	<b>Detection</b> Streptavidin	<b>Clonality</b> Monoclonal	<b>Isotype</b> Rabbit IgGk
Format:	Biotin		
Cross Reactivity:	Highly-specific to SARS-CoV-2 nucleoprotein; does not cross-react with nucleoprotein from SARS-CoV or other coronaviruses.		
Formulation:	1X PBS, 0.02% NaN3		
Preparation:	Protein A		
Reactivity:	Other		
Recommended Usage:	Used for specific, high-sensitivity detection of SARS-CoV-2 nucleocapsid protein (NP) in immunoassay. Can be paired with other NP-specific clones for detection in sandwich ELISA format.		
Immunogen:	SARS-CoV-2 nucleoprotein (NP) specific peptide		
Description:	For highest sensitivity, we recommend pairing unconjugated clone 75G5a (Abwiz Cat. #2481), immobilized on the ELISA plate to capture COVID-19 NP antigen, with biotin-conjugated clone 85C10 (Abwiz Cat. #2507) for detection using high-sensitivity streptavidin-HRP (Pierce #21130). Other unconjugated and biotinylated anti-NP clones are provided as alternatives and also show high sensitivity and specificity.		
	We have leveraged our next-godevelop recombinant rabbit mesensitivity and specificity to SA 75G5a (Abwiz Cat. #2481), 84 85C1 (Abwiz Cat. #2496), 85C and 85E9 (Abwiz Cat. #2516) oused to detect nucleoprotein (84C4a, 84D7, 85C10, and 85B virus or to any other coronavir TMB/acid developer reliably desensitivity is expected to be extrategies. This panel of antibodits and can be applied to later COVID-19.	onoclonal antibodies with ext ARS-CoV-2. These antibodies, C4a (Abwiz Cat. #2486), 84D 10 (Abwiz Cat. #2506), 85B4 can be paired in sandwich de NP) antigen from SARS-CoV-2 4 do not cross-react to the high uses tested. Sandwich ELISA etects NP antigen in the pg/m yen higher when using more so dies can be used as raw mat	which include clones (Abwiz Cat. #2491), (Abwiz Cat. #2511), (Abwiz Cat. #2511), (Abwiz Cat. #2511), (Action assay and (Antibodies 75G5a, (Antibod



**References:** 



Microtiter wells were coated with SARS-CoV-2 (COVID-19) Nucleocapsid Protein (NP) at 1 ug/mL. Biotin-conjugated rabbit monoclonal antibody 85C10 (Cat# 2507) was serially diluted 1:2 starting at 1 ug/mL, and shows high-sensitivity binding to COVID-19 NP antigen.



A sandwich ELISA was performed using SARS-CoV-2 (COVID-19) Nucleocapsid Protein (NP) specific rabbit monoclonal antibodies: 75G5a (Cat# 2481) as a capture antibody and 85C10-biotin (Cat# 2507) as a detection antibody. COVID-19 NP was serially diluted 1:2 starting at 20 ng/mL. Rabbit monoclonal antibodies 75G5a and 85C10-biotin detected COVID-19 NP antigen at very high sensitivity as low as 19.5 pg/mL (1.9 pg).