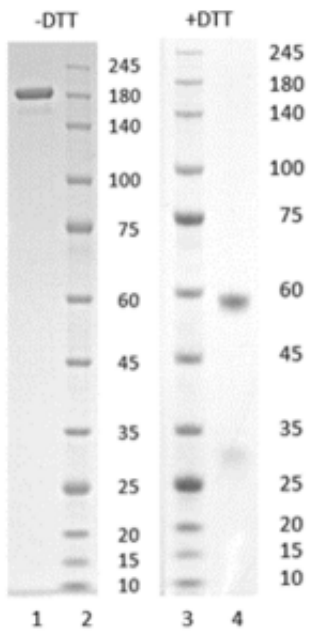




## Human IgG1-lambda antibody to SARS CoV-2 NP (clone 21F9)

Catalogue #	R1-148-100
Immunogen:	Nucleocapsid protein SARS-CoV-2
Immunogen Description:	Recombinant SARS-CoV-2 Nucleocapsid protein produced by CHO-based Icosagen Cell factory Ltd. proprietary suspension cell line
Clonality:	Human monoclonal
Clone:	21F9
Class:	hIgG1
Reactivity:	SARS-CoV-2 Nucleocapsid protein
Dissociation constant ( $K_D$ ):	$3.42 \times 10^{-10}$ M
Application:	ELISA, WB
Kd:	$3.42 \times 10^{-10}$ M
ELISA:	0,63-1,25 $\mu$ g/ml
Purification:	Protein A affinity chromatography following desalting
Buffer:	PBS pH 7.4
Shipping:	Shipped at ambient temperature.
Storage:	Store at +4 °C. Avoid multiple freeze-thaw cycles.

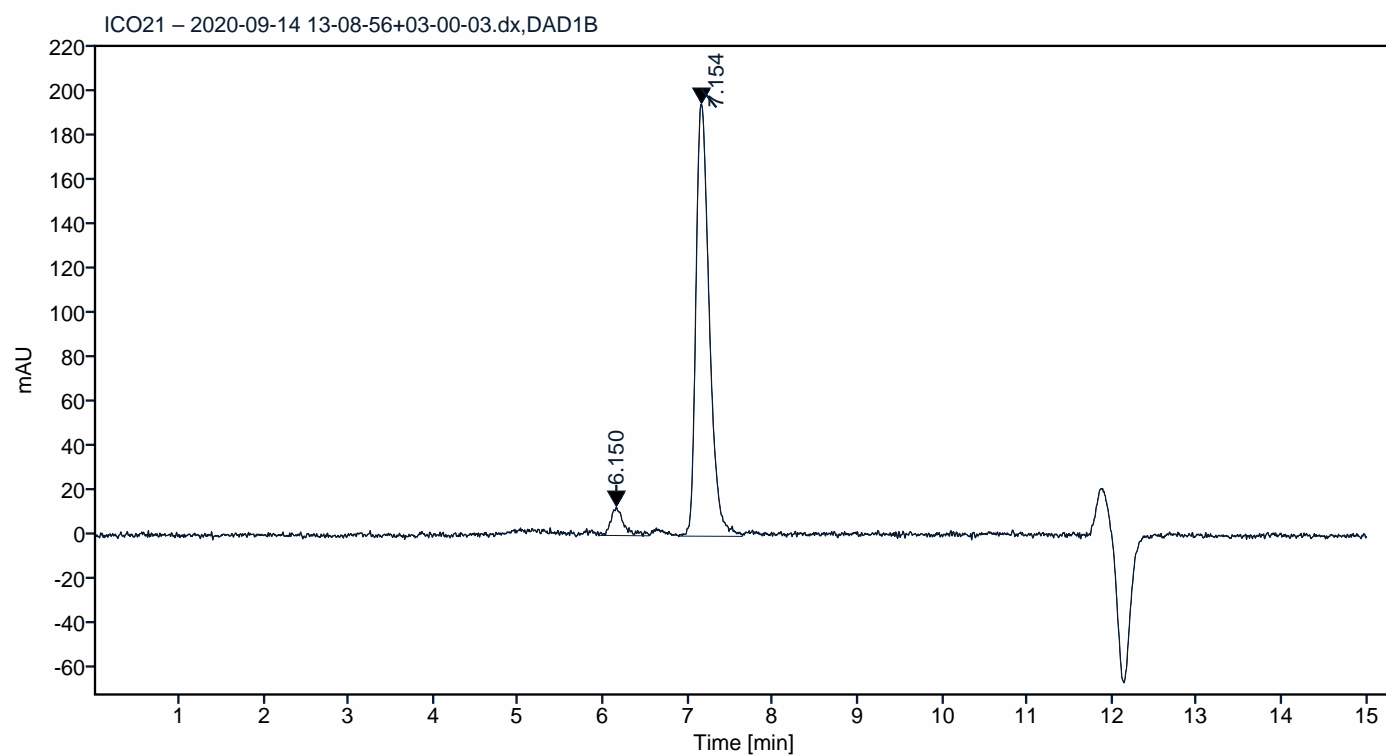


**Figure 1.** Coomassie-stained SDS-PAGE analysis of monoclonal antibody to SARS-CoV-2 Nucleocapsid protein, clone 21F9. 4-12% gradient gel is used for analysis. Lane 1. Monoclonal antibody to SARS-CoV-2 Nucleocapsid protein, clone 21F9 (-DTT). Lane 2. Size marker. Lane 3. Monoclonal antibody to SARS-CoV-2 Nucleocapsid protein, clone 21F9 (+DTT). Lane 4. Size marker.

## Peak Table

Peak #	RT (min)	Area	Area %
1	6.150	137.90	6.06
2	7.154	2137.37	93.94

## Chromatogram



**Figure 2.** HPLC analytical SEC for final product.

## Peak Table

Peak #	RT (min)	Area	Area %
1	6.141	133.41	6.76
2	7.155	1841.20	93.24

## Chromatogram

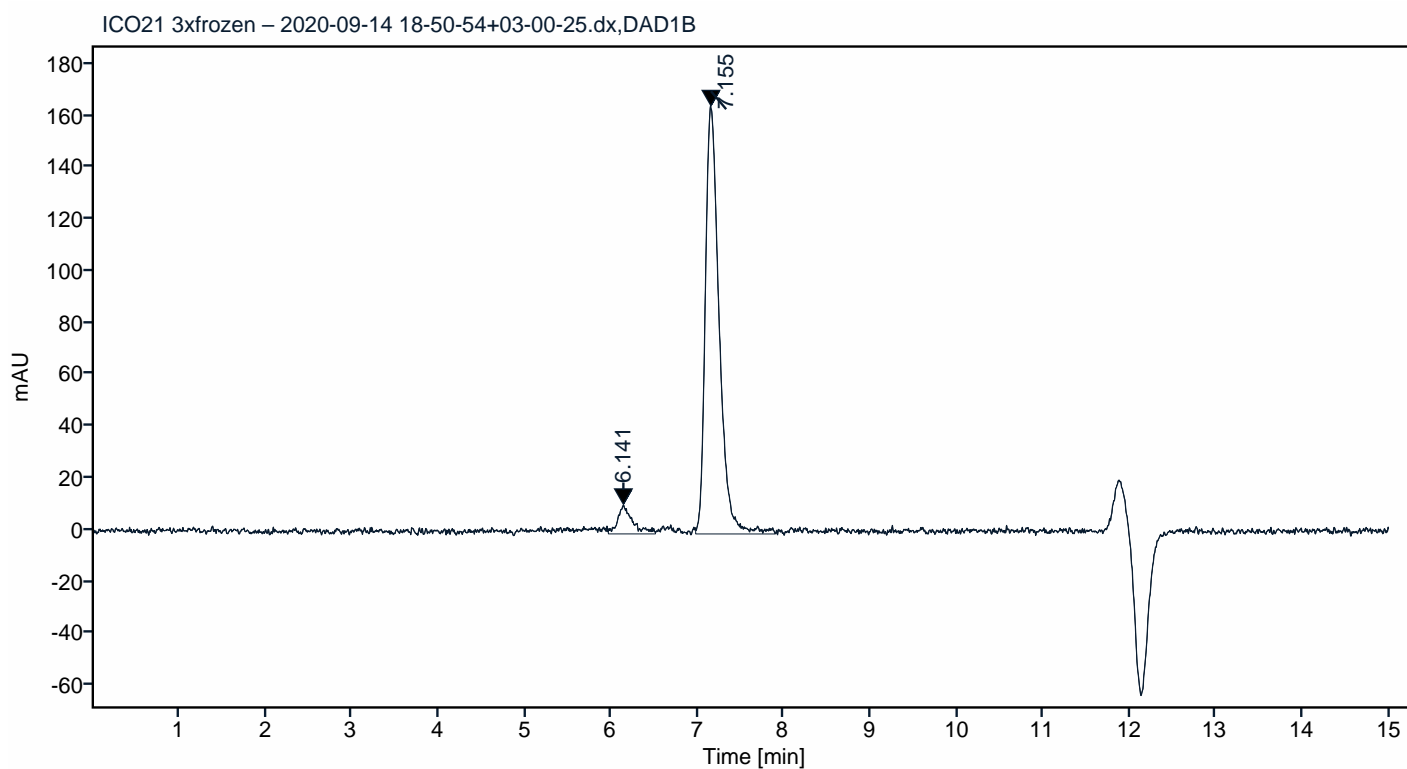
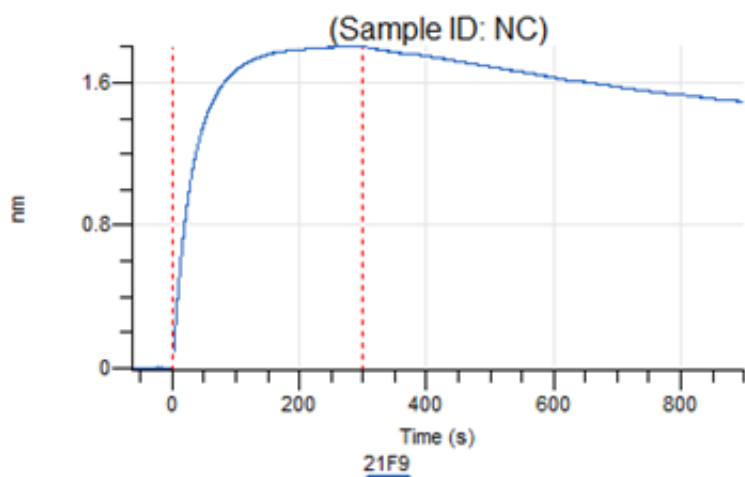


Figure 3. HPLC analytical SEC after 3 freeze-thaw cycles.



**Figure 4.** Octet RED96e analysis, antibody was loaded on sensor for capture of Nucleocapsid protein.