



Rabbit IgG1-kappa antibody to SARS CoV-2 NP (clone 80E7)

Catalogue #	R1-165-100
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:	Rabbit monoclonal
Clone:	80E7
Class:	rIgG1
Reactivity:	SARS-CoV-2 Nucleocapsid protein
Dissociation constant (K _D):	5.83 x 10 ⁻¹¹ M
Application:	ELISA
Kd:	5.83 x 10 ⁻¹¹ M
ELISA:	indirect ELISA 0,01-0,02 ng/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.

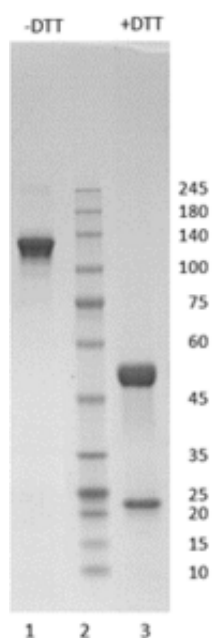


Figure 1. Simply Blue Safe stained SDS-PAGE analysis of monoclonal antibody to SARS-CoV-2 Nucleocapsid protein, clone 80E7. 4-15% gradient gel is used for analysis. Lane 1. Monoclonal antibody to SARS-CoV-2 Nucleocapsid protein, clone 80E7 (-DTT). Lane 2. Size marker. Lane 3. Monoclonal antibody to SARS-CoV-2 Nucleocapsid protein, clone 80E7 (+DTT).

Peak Table

Peak #	RT (min)	Area	Area %
1	7.333	4441.20	100.00

Chromatogram

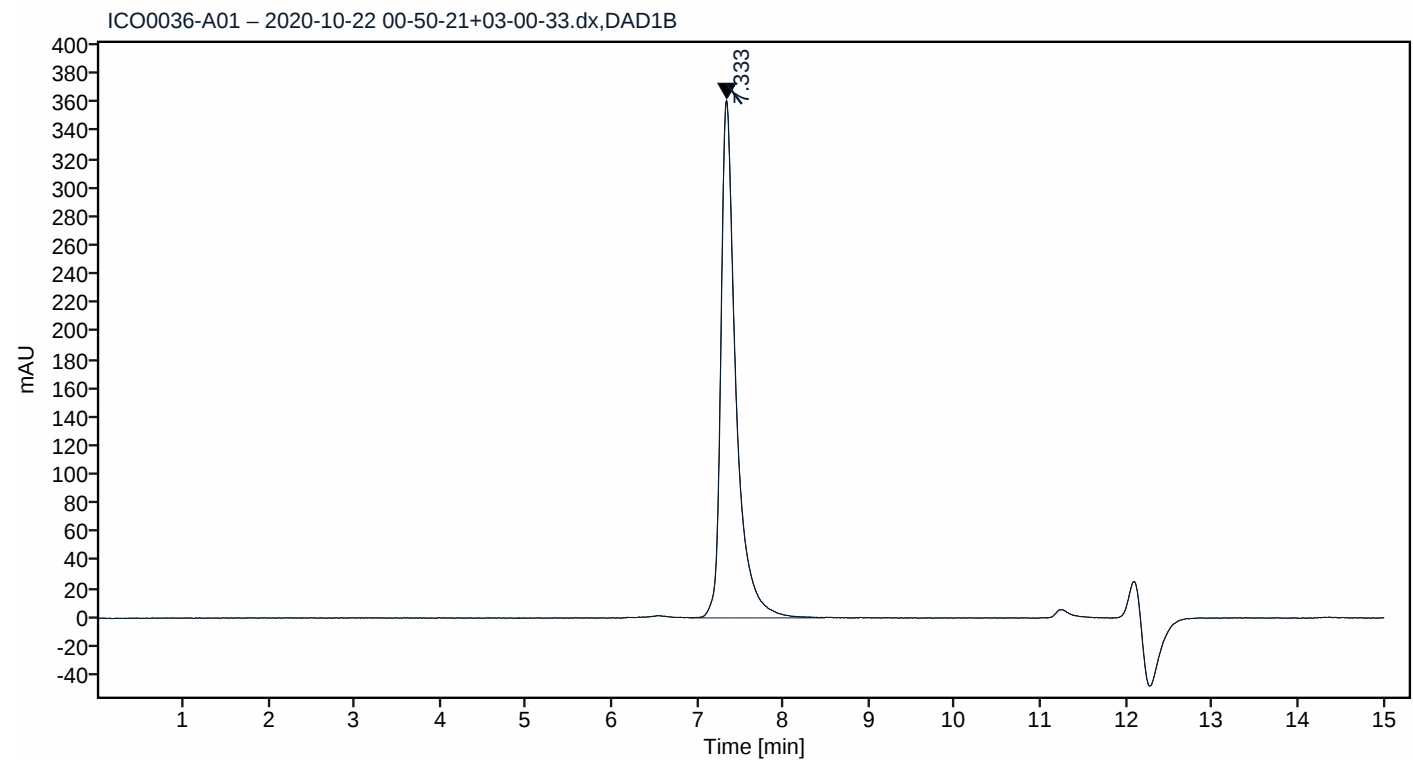


Figure 2. HPLC analytical SEC for final product.

Peak Table

Peak #	RT (min)	Area	Area %
1	7.334	4268.39	100.00

Chromatogram

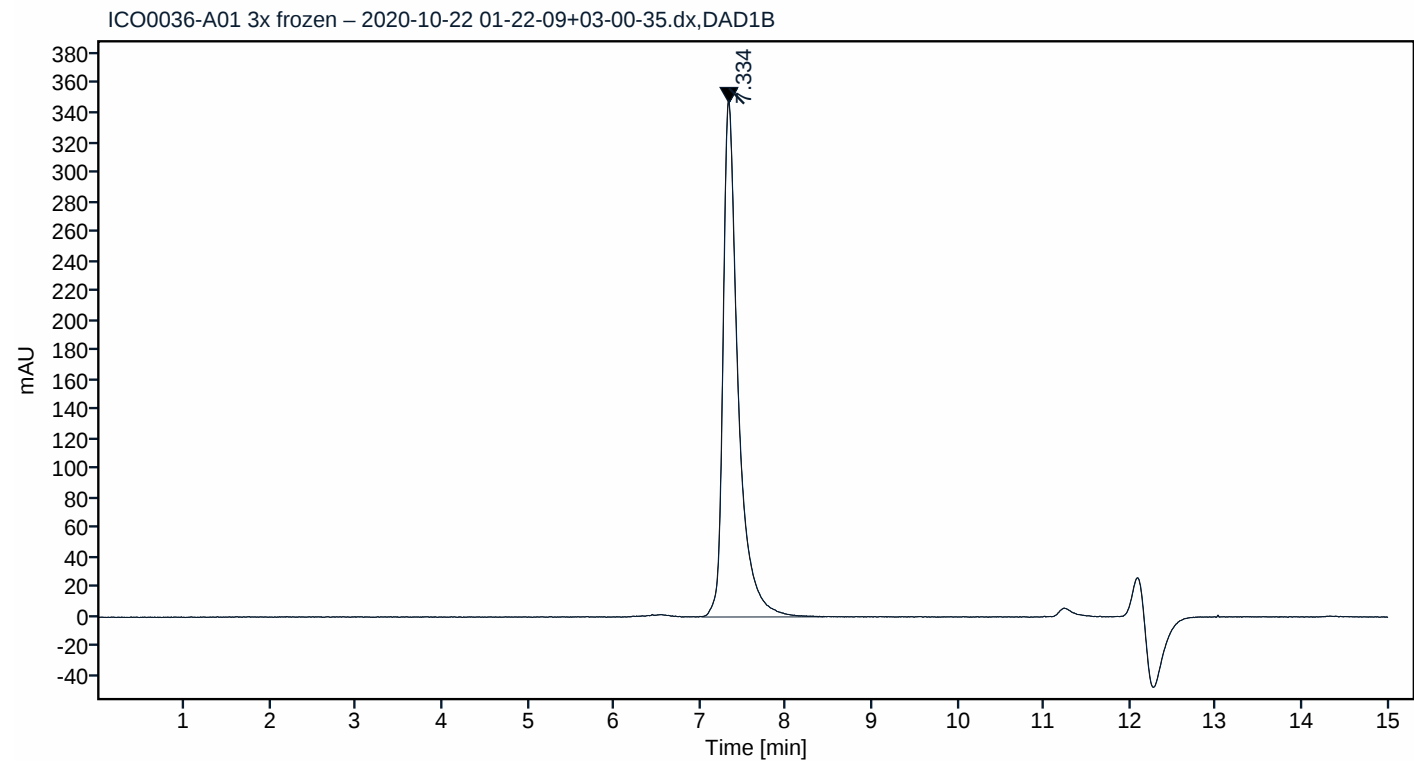


Figure 3. HPLC analytical SEC after 3 freeze-thaw cycles.

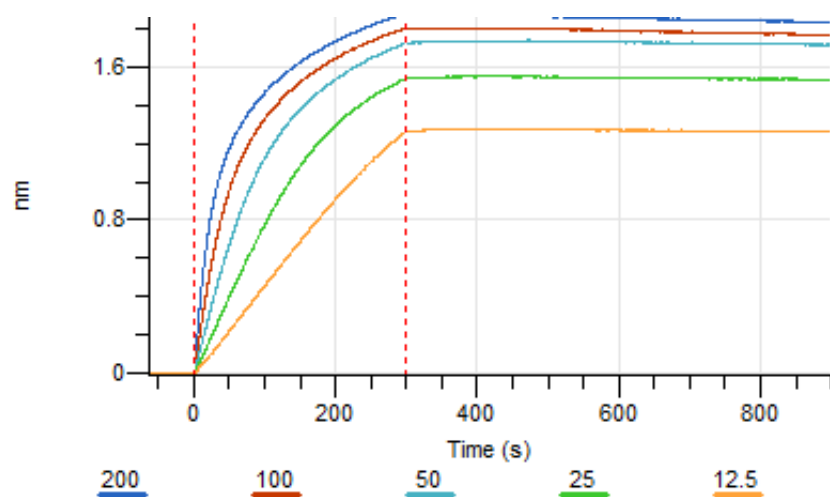


Figure 4. Octet RED96e analysis, different concentrations of antibody (200, 100, 50, 25 and 12.5 nM) was loaded on sensor for capture of Nucleocapsid protein.