mAb to Influenza A, clone 5A4

Catalogue #	R1-189-100
Immunogen:	Recombinant Influenza A Nucleocapsid protein
Immunogen Description:	Produced by CHO-based Icosagen Cell factory Ltd. proprietary suspension cell line
Uniprot ID:	P03466
Source:	Human
Clonality:	Human monoclonal
Clone:	5A4
Class:	hIgG1
Dissociation constant (K_D):	2.57×10^{-09} M (measured against Influenza A H1N1 nucleocapsid protein) 4.04×10^{-09} M (measured against Influenza A H3N2 nucleocapsid protein)
Application:	ELISA
Purification:	Protein A affinity chromatography following gel filtration
Buffer:	PBS pH 7.4
QC:	Simply Blue Safe stained SDS-PAGE, analytical SEC, Octet binding
Shipping:	Shipped with blue ice.
Storage:	Store at +4 °C. Divide antibody into aliquots prior usage.

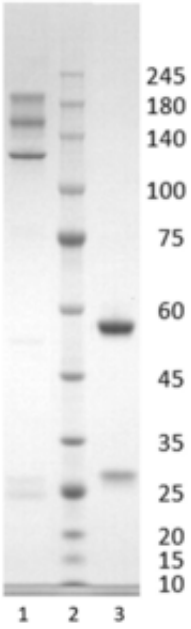

Figure 1. Simply Blue stained SDS-PAGE analysis of Monoclonal antibody to Influenza A, clone 5A4. 4-12% gradient gel is used for analysis. **Lane 1.** 0.8 µg Monoclonal antibody to Influenza A, clone 5A4 (-DTT) **Lane 2.** Size marker (Smobio) **Lane 3.** 0.8 µg Monoclonal antibody to Influenza A, clone 5A4 (+DTT).

Peak Table

Peak #	RT (min)	Area	Area %
1	9.300	5113.21	100.00

Chromatogram

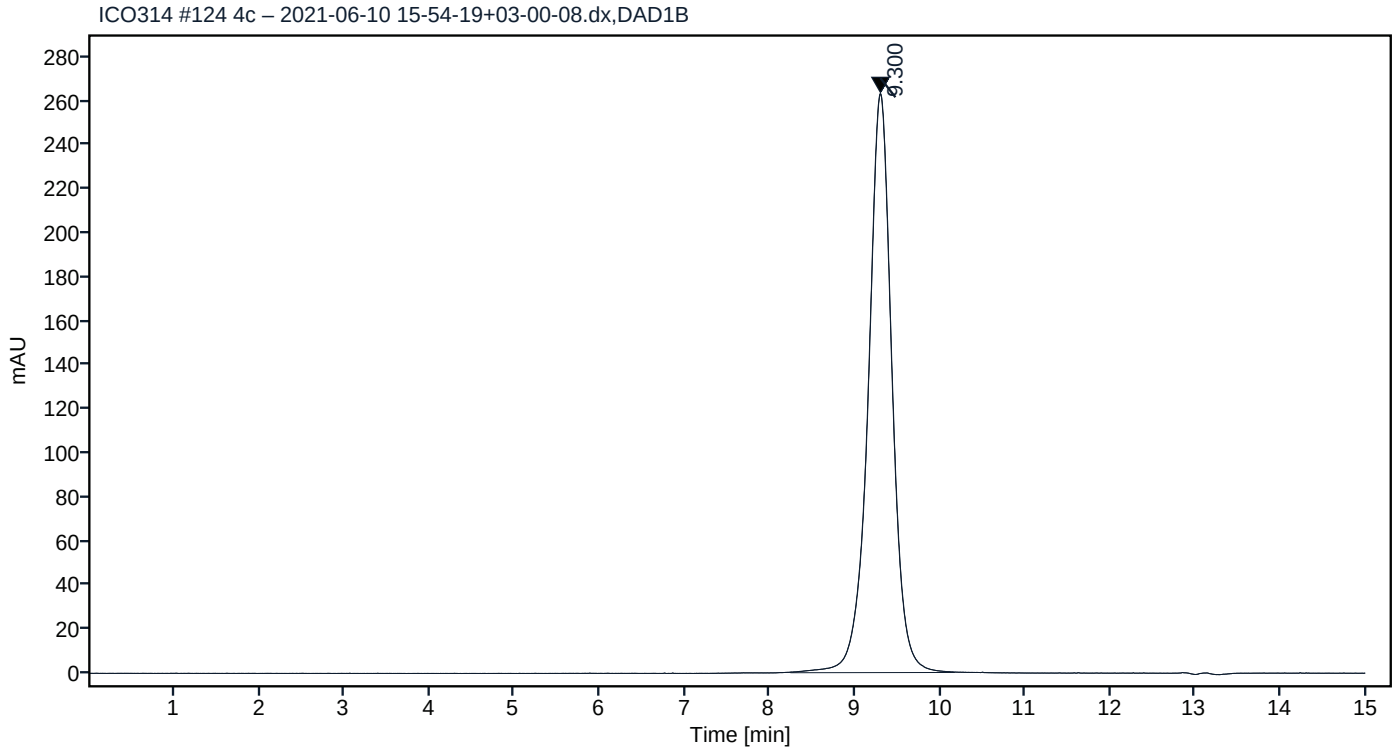

Figure 2. HPLC analytical SEC for final product.

Peak Table

Peak #	RT (min)	Area	Area %
1	9.301	4742.76	100.00

Chromatogram

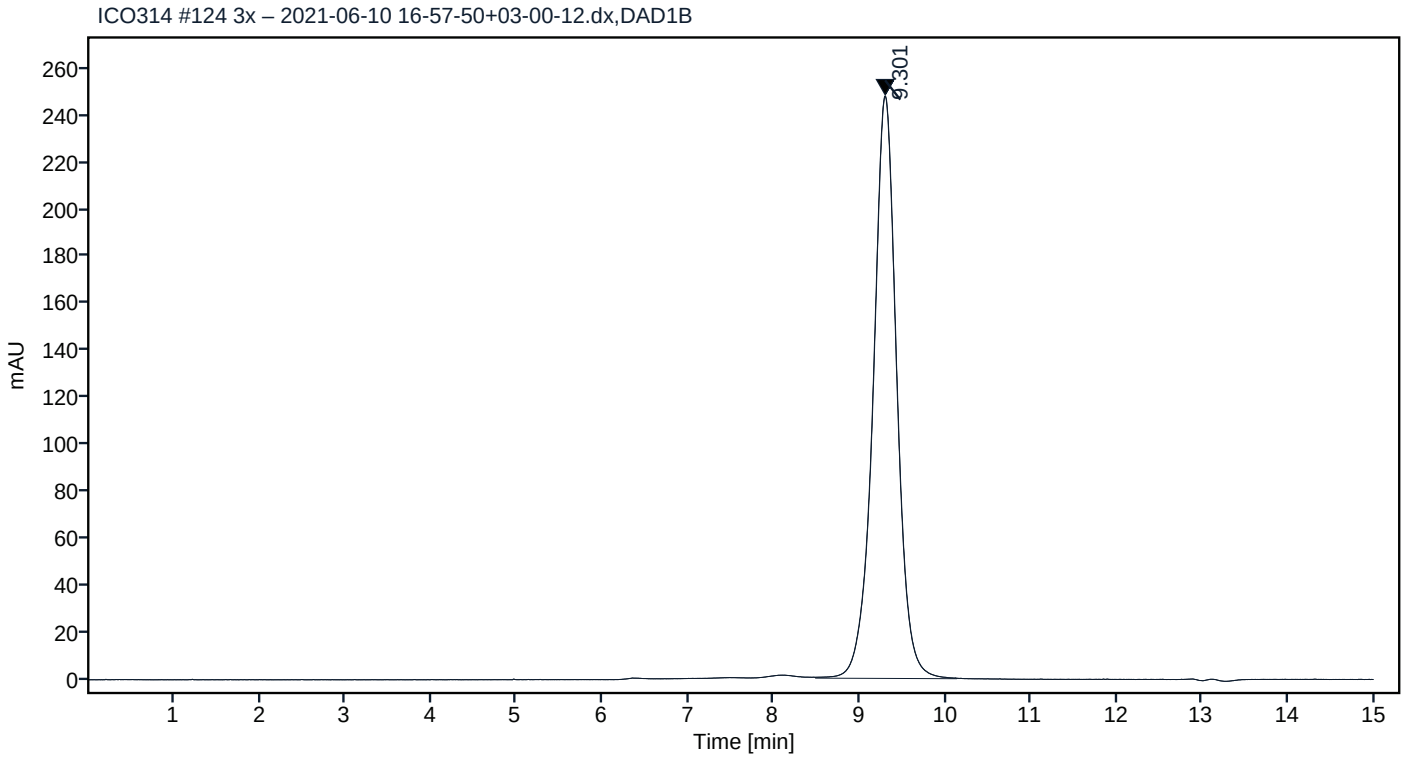

Figure 3. HPLC analytical SEC after 3 freeze-thaw cycles.

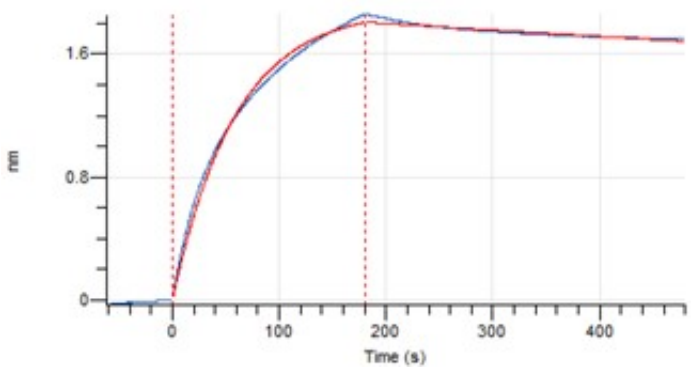

Figure 4. Octet RED96e analysis, antibody was loaded on sensor for capture of H1N1 nucleocapsid protein.

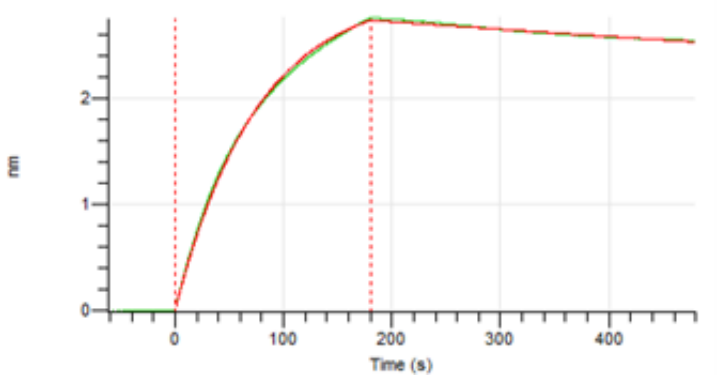

Figure 5. Octet RED96e analysis, antibody was loaded on sensor for capture of H3N2 nucleocapsid protein.