



Recombinant anti-human interleukin-6 antibody (clone 12C1)

Catalogue #	R1-646-100
Immunogen:	Recombinant hIL-6 protein
Immunogen Description:	Recombinant hIL-6 protein produced by CHO-based cell line (expressed by QMCF Technology).
Uniprot ID:	P05231
Clonality:	Human monoclonal
Clone:	12C1
Class:	hIgG1
Reactivity:	Reacts with human IL-6. No cross-reactivity with IL-1?, IL-1?, IL-2, IL-3, IL-4, IL-8, IFN? and TNF? proteins.
Application:	ELISA, CLIA
Kd:	2.11 x 10 ⁻⁹ M
Purification:	Protein A affinity chromatography following desalting
Buffer:	PBS pH 7.4
QC:	Simply Blue Safe stained SDS-PAGE, analytical SEC, Octet
Shipping:	Shipped with blue ice.
Storage:	Store at +4 °C. Avoid multiple freeze-thaw cycles.

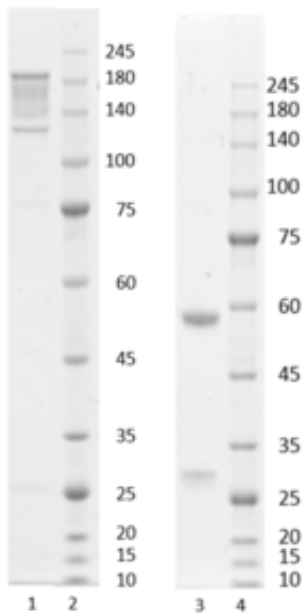


Figure 1. Simply Blue Safe stained SDS-PAGE analysis of recombinant anti-human interleukin-6 antibody, clone 12C1. 4-12% gel is used for analysis. Lane 1. Recombinant anti-human interleukin-6 antibody, clone 12C1 (-DTT) Lane 2. Size marker Lane 3. Recombinant anti-human interleukin-6 antibody, clone 12C1 (+DTT) Lane 4. Size marker

Peak Table

Peak #	RT (min)	Area	Area %
1	8.897	5162.46	100.00

Chromatogram

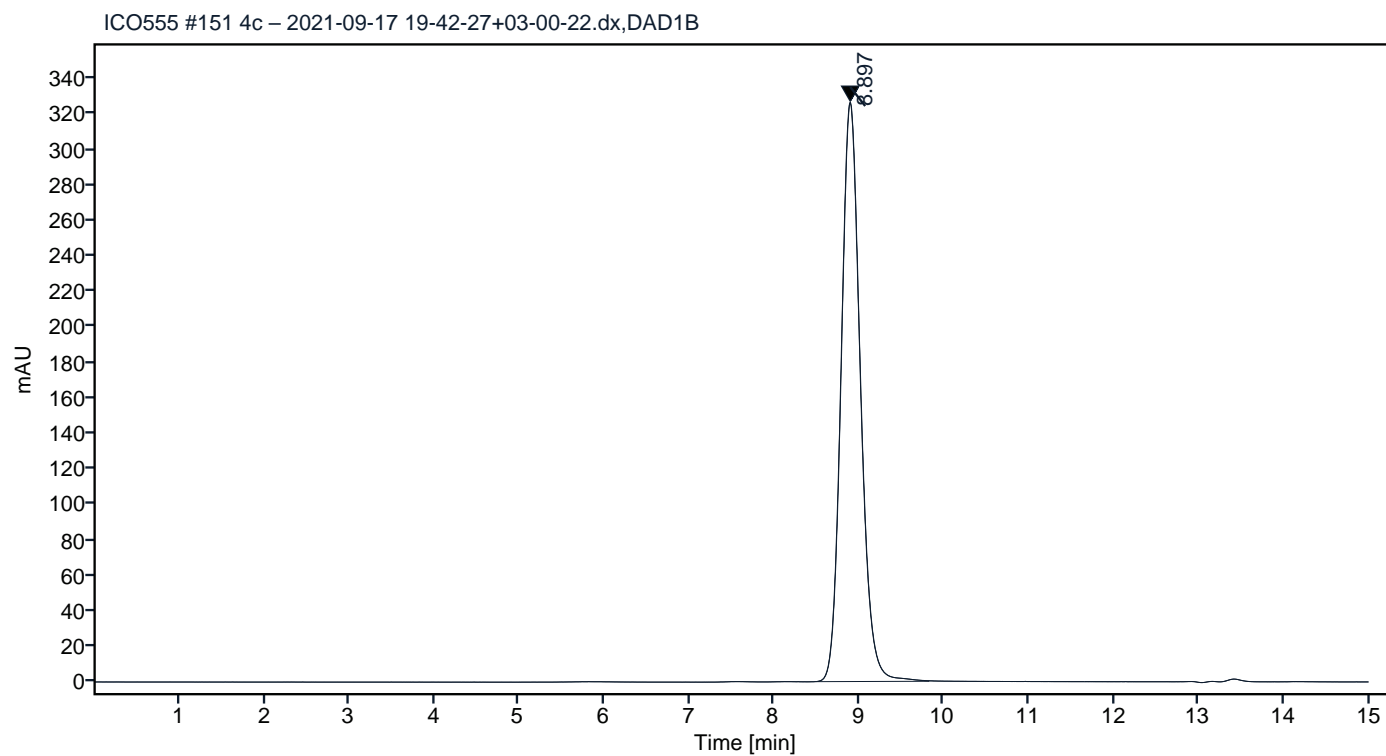


Figure 2. HPLC analytical SEC for final product.

Peak Table

Peak #	RT (min)	Area	Area %
1	8.908	4926.33	100.00

Chromatogram

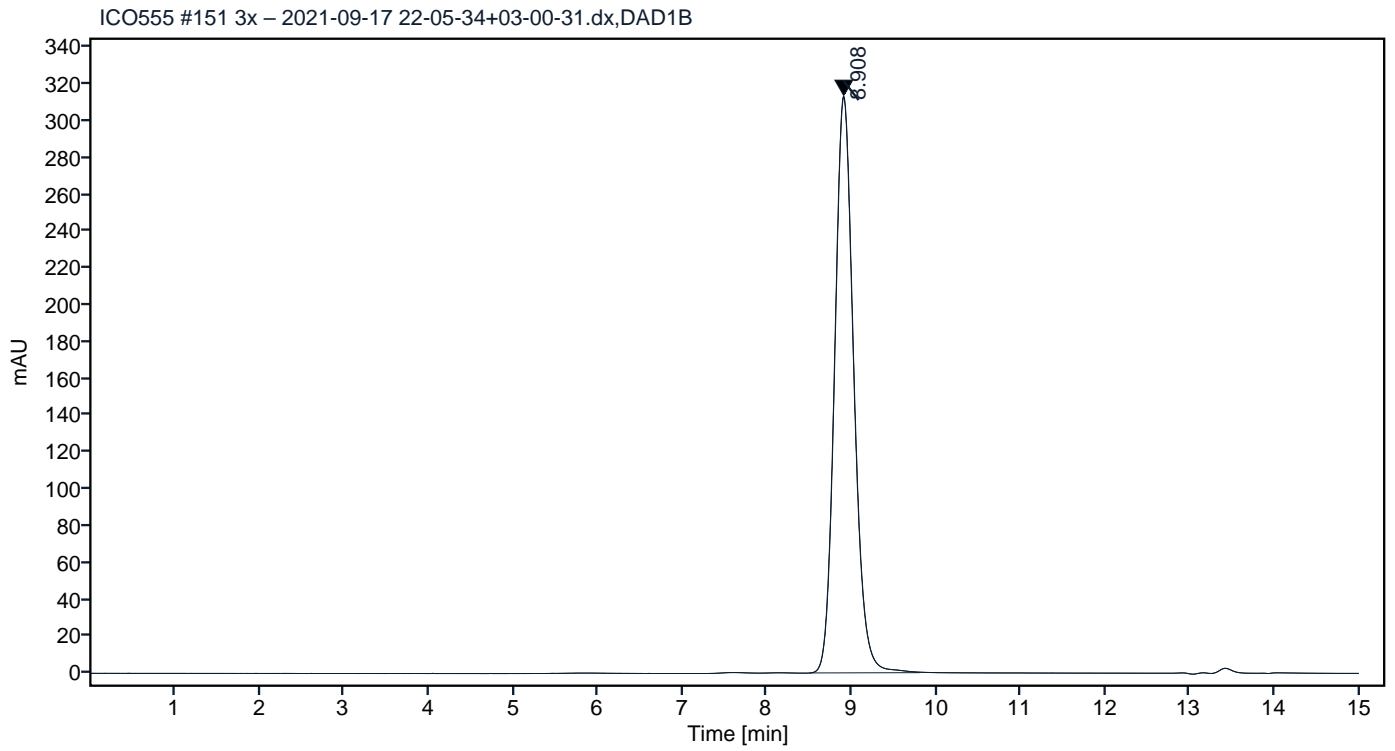


Figure 3. HPLC analytical SEC after 3 freeze-thaw cycles.

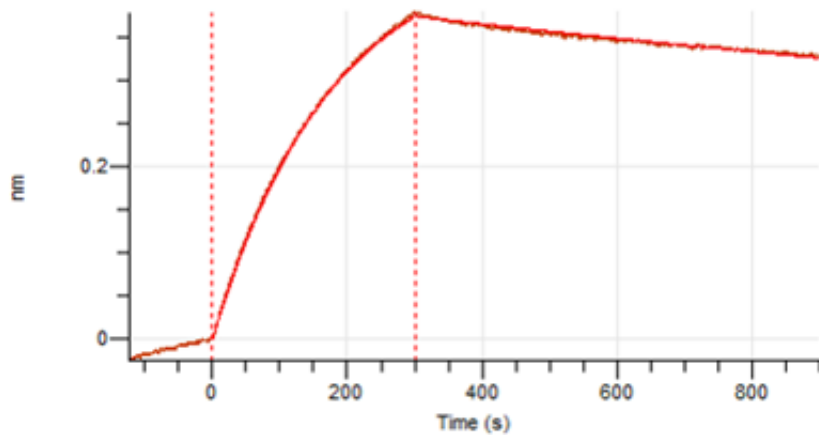


Figure 4. Octet RED96e analysis, antibody was loaded on sensor for capture of IL-6 protein