



Monoclonal antibody to C-reactive protein, clone 9G8, hIgG1

Catalogue #	R1-261-100
Immunogen:	Native human C-reactive protein
Immunogen Description:	Native human C-reactive protein purified from human pleural fluid.
Source:	Human
Clonality:	Human monoclonal
Clone:	9G8
Class:	hIgG1
Application:	ELISA, CLIA
Kd:	1.848 x 10 ⁻¹⁰ M
Purification:	Produced recombinantly using CHO-based cell line (expressed by QMCF technology). Purified using protein A affinity chromatography followed by desalting
Purity:	>90%
Concentration:	1 mg/ml
Buffer:	PBS, pH 7.4
QC:	LabChip protein analysis, analytical SEC, Octet BLI analysis
Shipping:	Shipped with blue ice.
Storage:	Store at +4 °C.

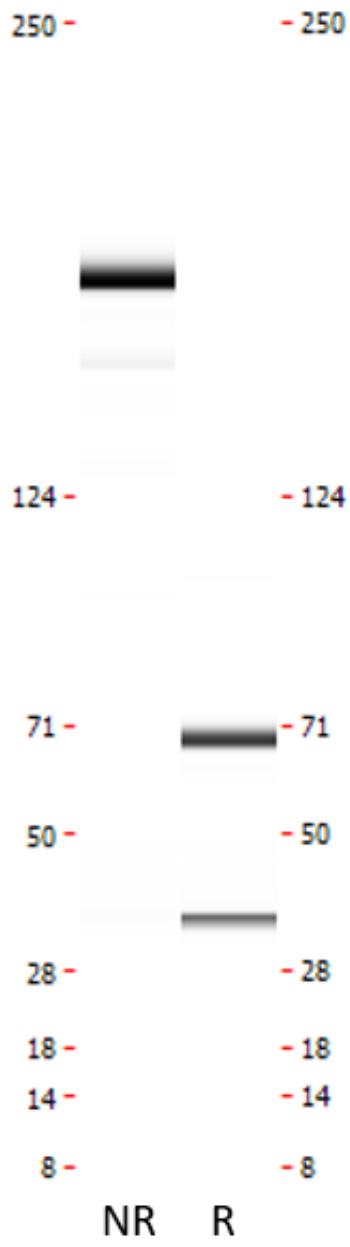
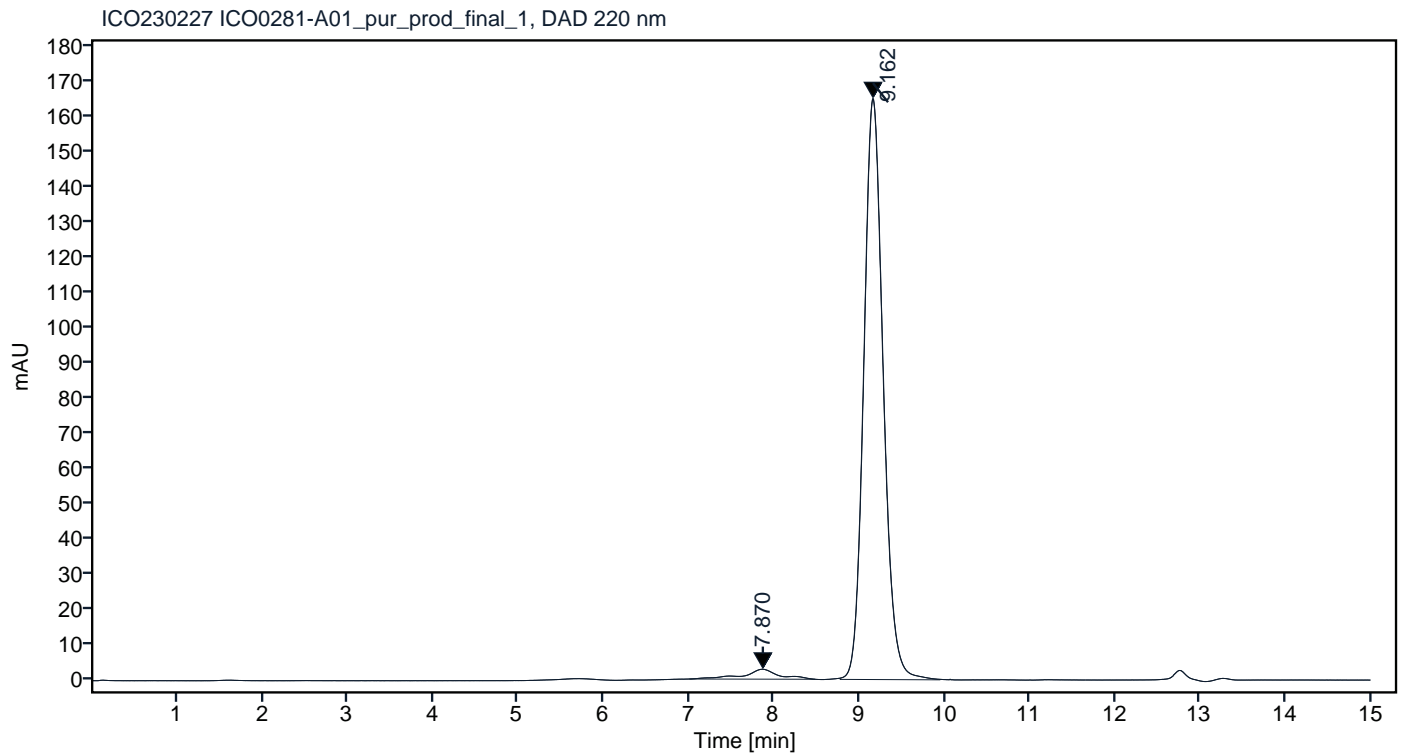


Figure 1. CE-SDS virtual gel output (LabChip GX) for monoclonal antibody to C-reactive protein, clone 9G8 under non-reduced (NR, left) and reduced (R, right) conditions.

Peak #	RT (min)	Estimated Mw (Da)*	Area	Area %
1	7.870	296555	81.92	3.04
2	9.162	110259	2612.14	96.96

Chromatogram

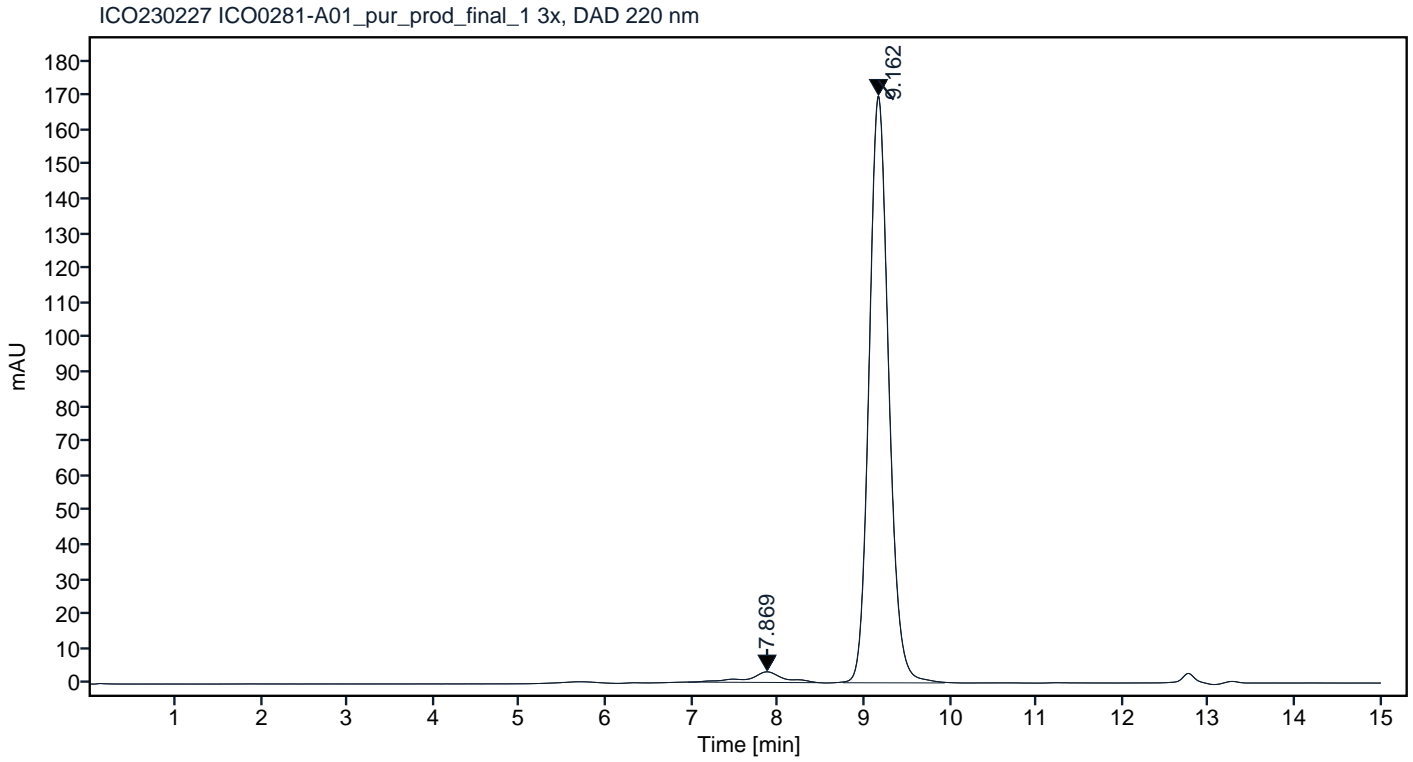


*Calculated using calibration curve obtained from AdvanceBio SEC 300A Protein Standard (p/n 5190-9417) retention times. Peaks with integrated areas below 0.5% of the calculated values were excluded from analysis.

Figure 2. Analytical SEC of final product.

Peak #	RT (min)	Estimated Mw (Da)*	Area	Area %
1	7.869	296861	88.77	3.20
2	9.162	110260	2683.92	96.80

Chromatogram



*Calculated using calibration curve obtained from AdvanceBio SEC 300A Protein Standard (p/n 5190-9417) retention times. Peaks with integrated areas below 0.5% of the calculated values were excluded from analysis.

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

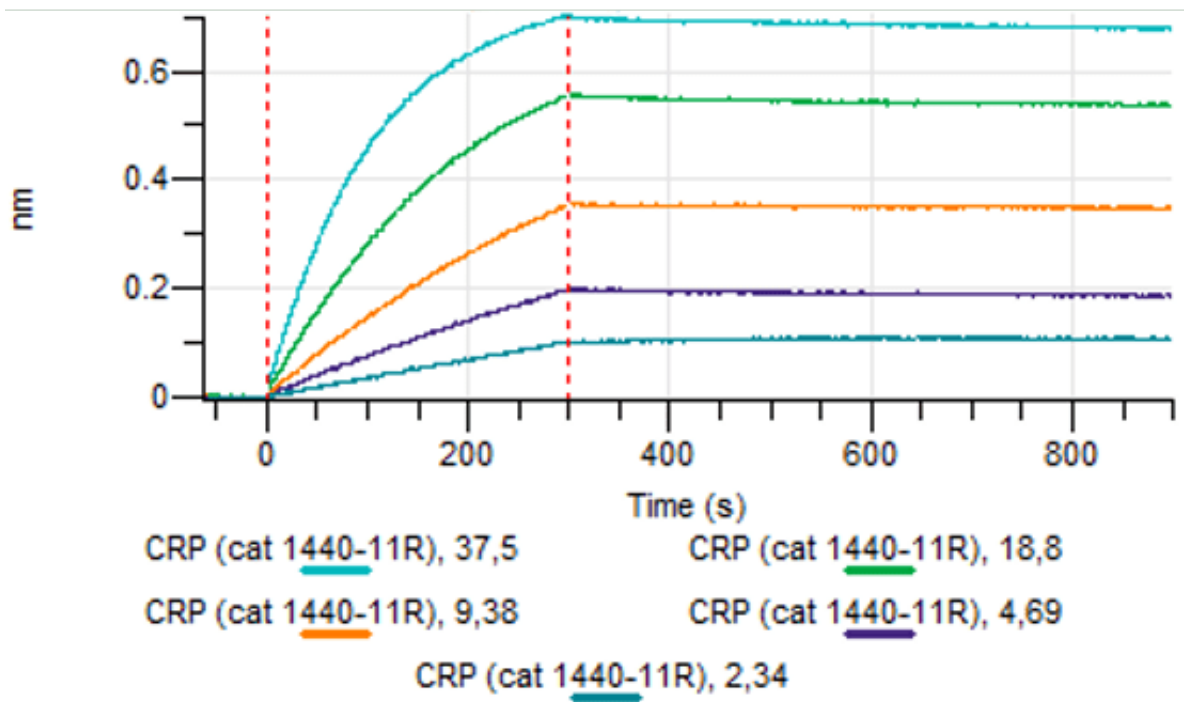


Figure 4. Octet BLI analysis, antibody was loaded on sensor for capture of C-reactive protein in different concentrations.