



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

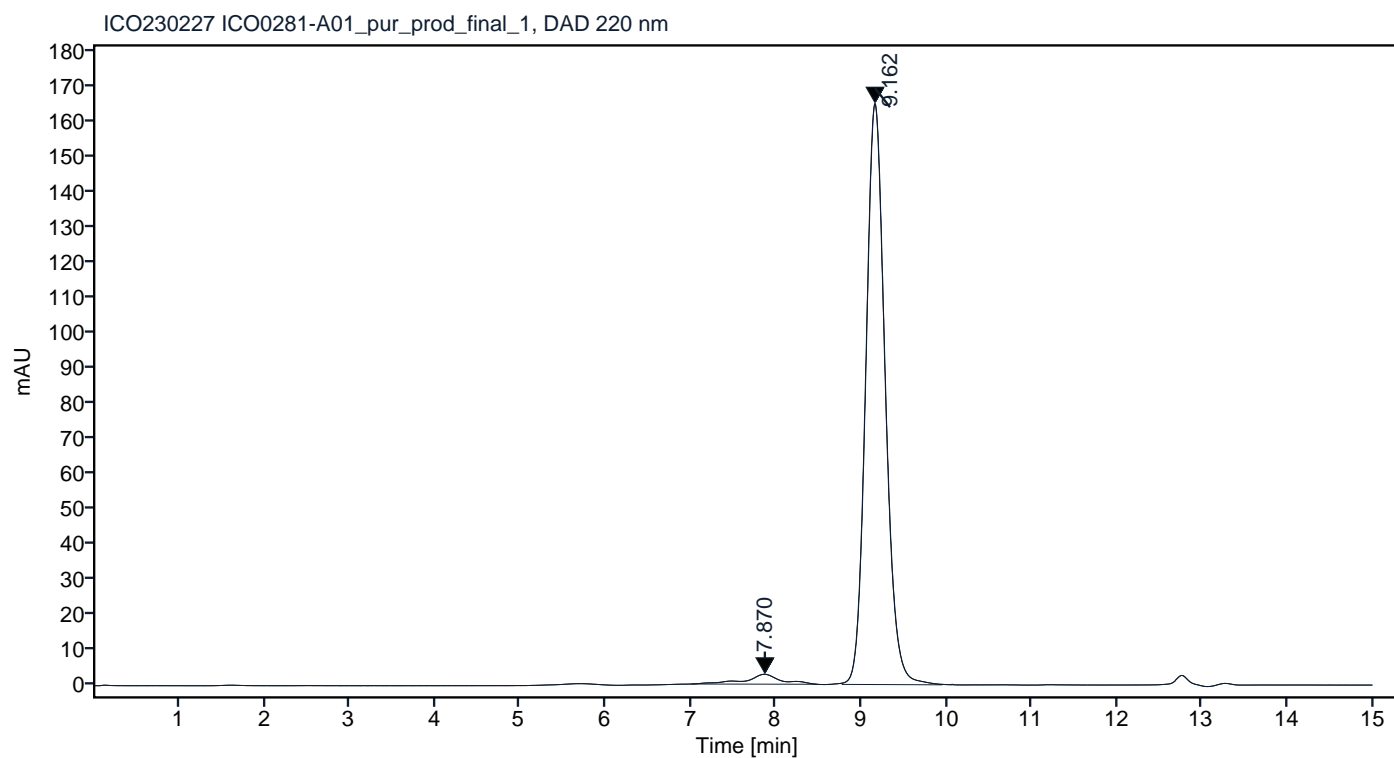
| | |
|------------------------|---|
| Catalogue # | R1-261-100 |
| Immunogen: | Native human C-reactive protein |
| Immunogen Description: | Native human C-reactive protein |
| Source: | Human |
| Clonality: | Human monoclonal |
| Clone: | 9G8 |
| Class: | hIgG1 |
| Application: | ELISA, CLIA |
| Kd: | 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

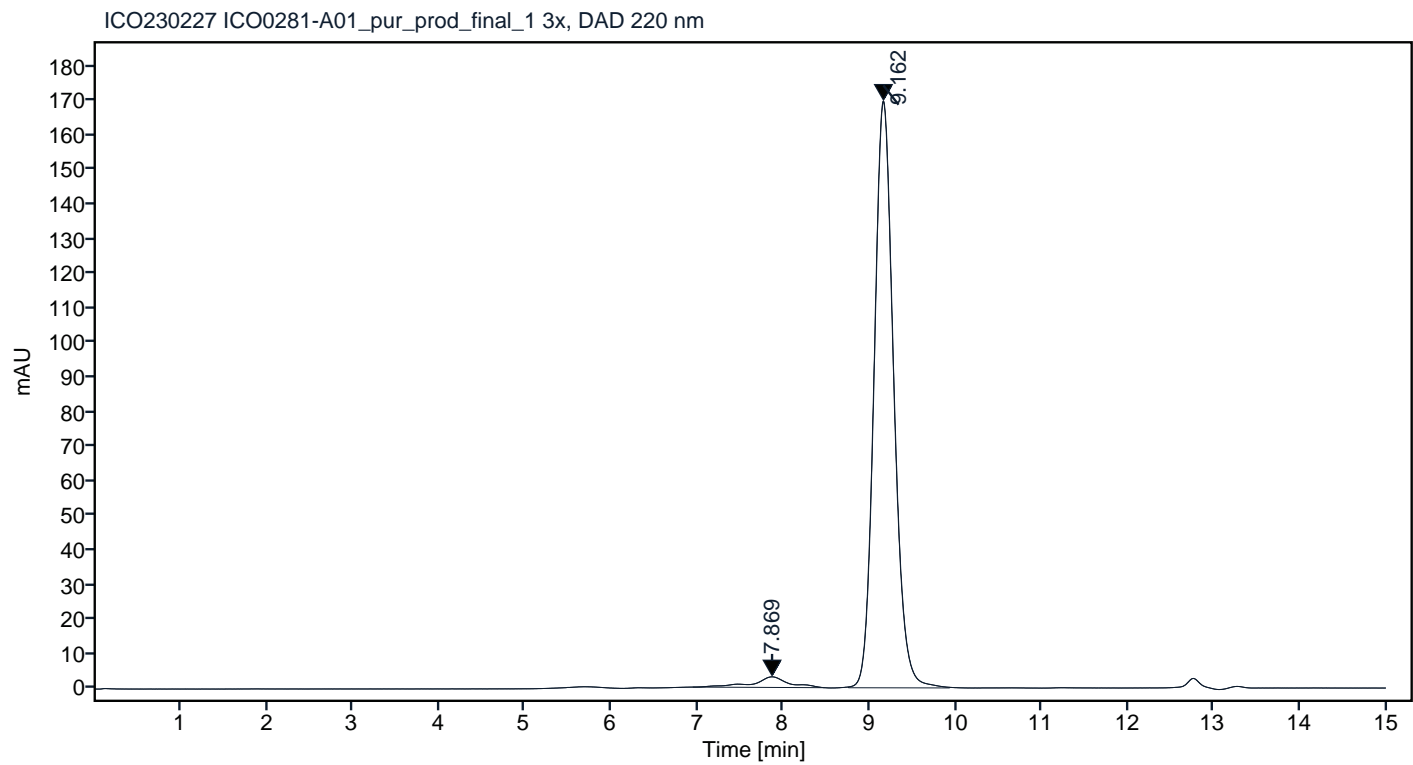


*Calculated using calibration curve obtained from AdvanceBio SEC 300A Protein Standard (p/n 5190-9417) retention times. Peaks with integrated areas below 0.5% of the calculated values were excluded from analysis.

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.

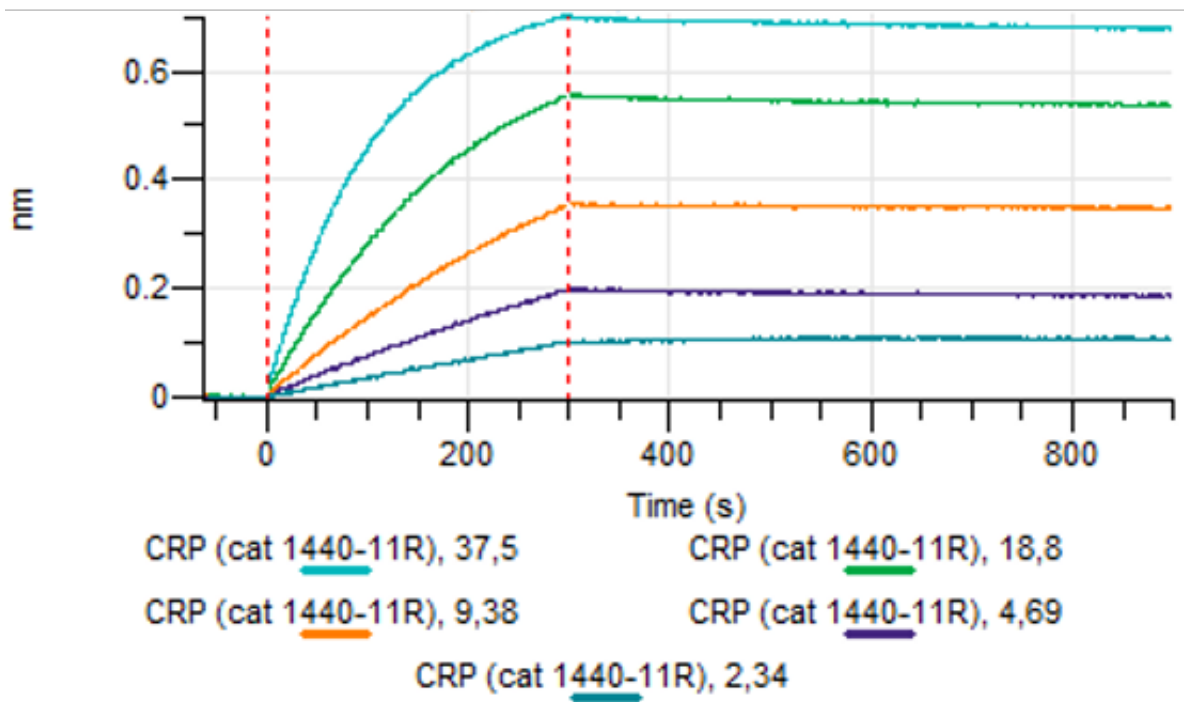


Figure 4. Octet BLI analysis, antibody was loaded on sensor for capture of C-reactive protein in different concentrations.