# Monoclonal antibody to Galectin-3, clone 1F6, hIgG1

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|---|---|
| Catalogue # | R1-240-100 |
| Immunogen: | Recombinant Galectin-3 protein |
| Immunogen Description: | Recombinant Galectin-3 protein produced by CHO-based cell line (expressed by QMCF Technology). |
| Source: | Human |
| Clonality: | Human monoclonal |
| Clone: | 1F6 |
| Class: | hIgG1 |
| Application: | ELISA, CLIA |
| Kd: | 1.383 x 10-8 M |
| Purification: | Produced recombinantly using CHO-based cell line (expressed by QMCF technology). Purified using protein A affinity chromatography followed by desalting |
| Purity: | >95% |
| Concentration: | 1 mg/ml |
| Buffer: | PBS, pH 7.4 |
| QC: | LabChip protein analysis, analytical SEC, Octet binding analysis |
| Shipping: | Shipped with blue ice. |
| Storage: | Store at +4 °C. Avoid multiple freeze-thaw cycles. |

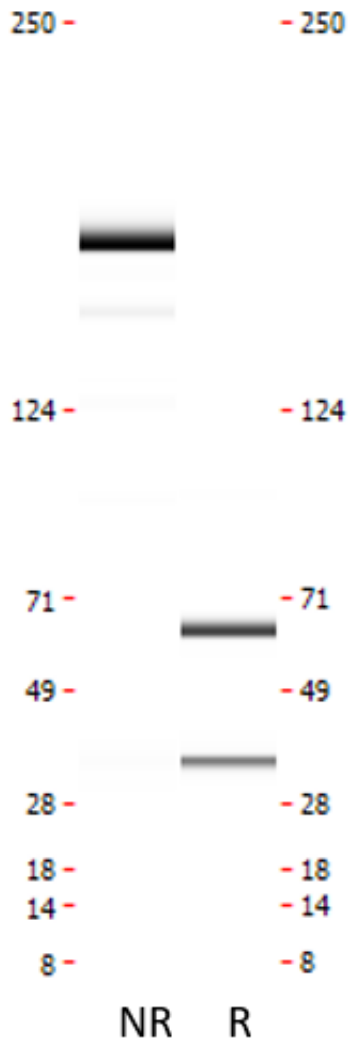
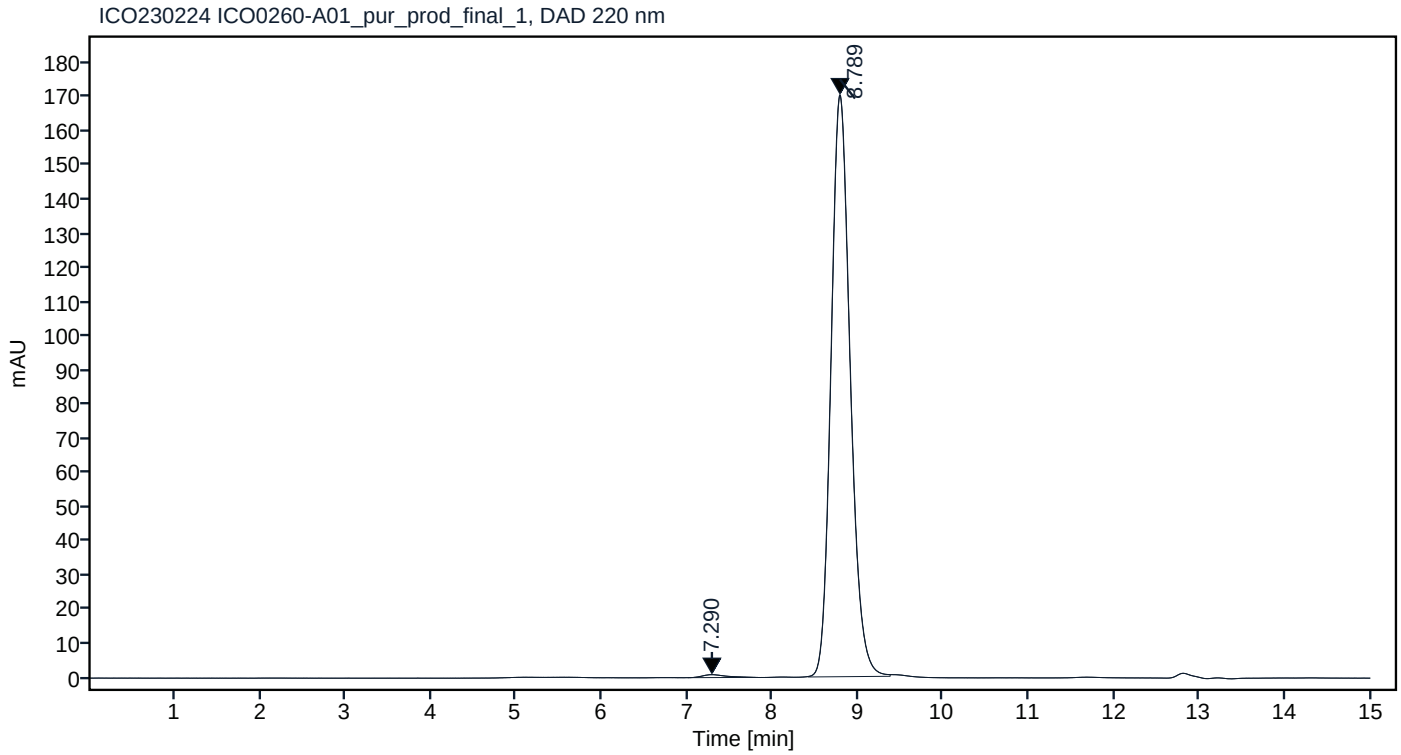



**Figure 1.** CE-SDS virtual gel output (LabChip GX) for monoclonal antibody to Galectin-3, clone 1F6 under non-reduced (NR, left) and reduced (R, right) conditions.

| Peak # | RT (min) | Estimated Mw (Da)* | Area | Area % |
|---|---|---|---|---|
| 1 | 7.290 | 405113 | 16.31 | 0.61 |
| 2 | 8.789 | 142682 | 2665.07 | 99.39 |

## Chromatogram

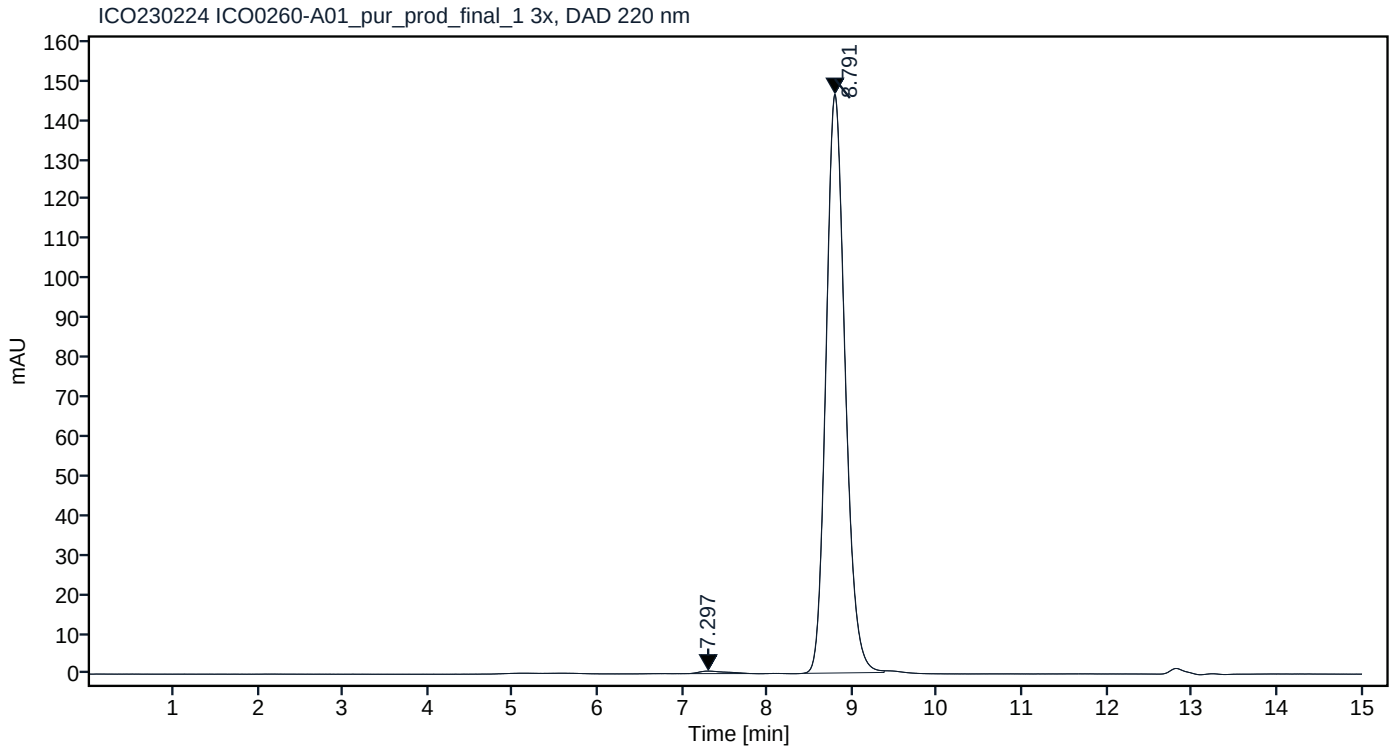



*Calculated using calibration curve obtained from AdvanceBio SEC 300A Protein Standard (p/n 5190-9417) retention times. Peaks with integrated areas below 0.5% of the calculated values were excluded from analysis.

**Figure 2.** Analytical SEC of final product.

| Peak # | RT (min) | Estimated Mw (Da)* | Area | Area % |
|---|---|---|---|---|
| 1 | 7.297 | 393445 | 14.00 | 0.61 |
| 2 | 8.791 | 142571 | 2289.09 | 99.39 |

## 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.

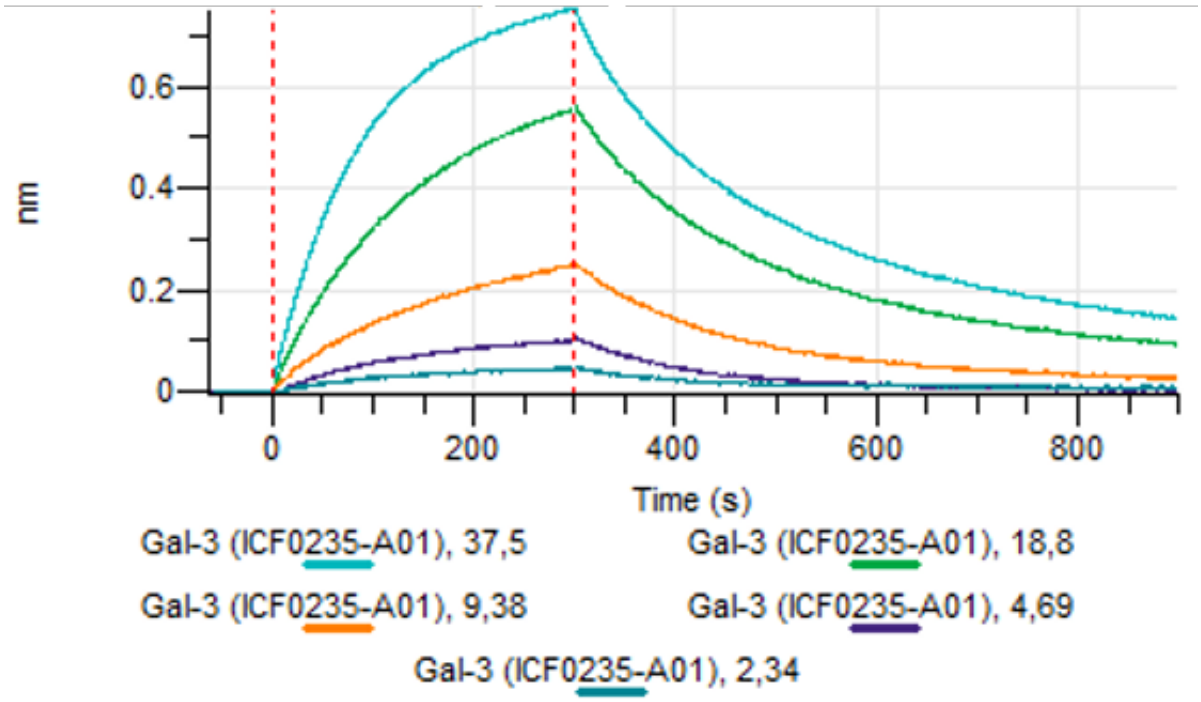



**Figure 4.** Octet binding analysis, antibody was loaded on sensor for capture of Galectin-3 protein in different concentrations.