Monoclonal antibody to Galectin-3, clone 2D7, hIgG1

Catalogue #	R1-243-100
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:	2D7
Class:	hIgG1
Application:	ELISA, CLIA
Kd:	8.977 x 10-9 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.

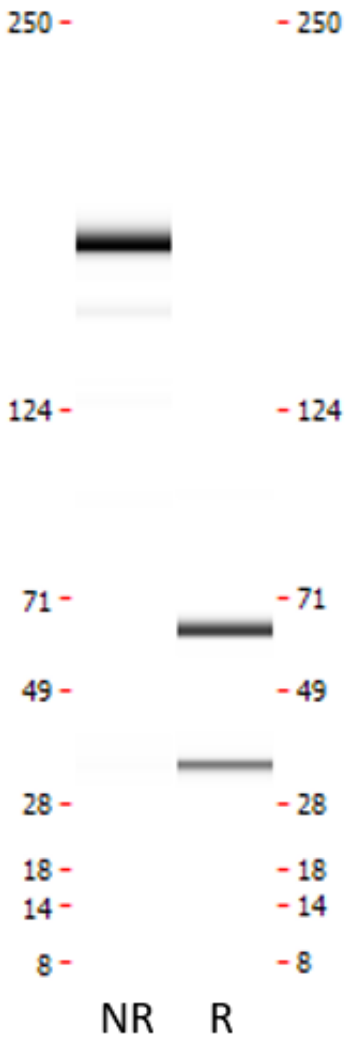
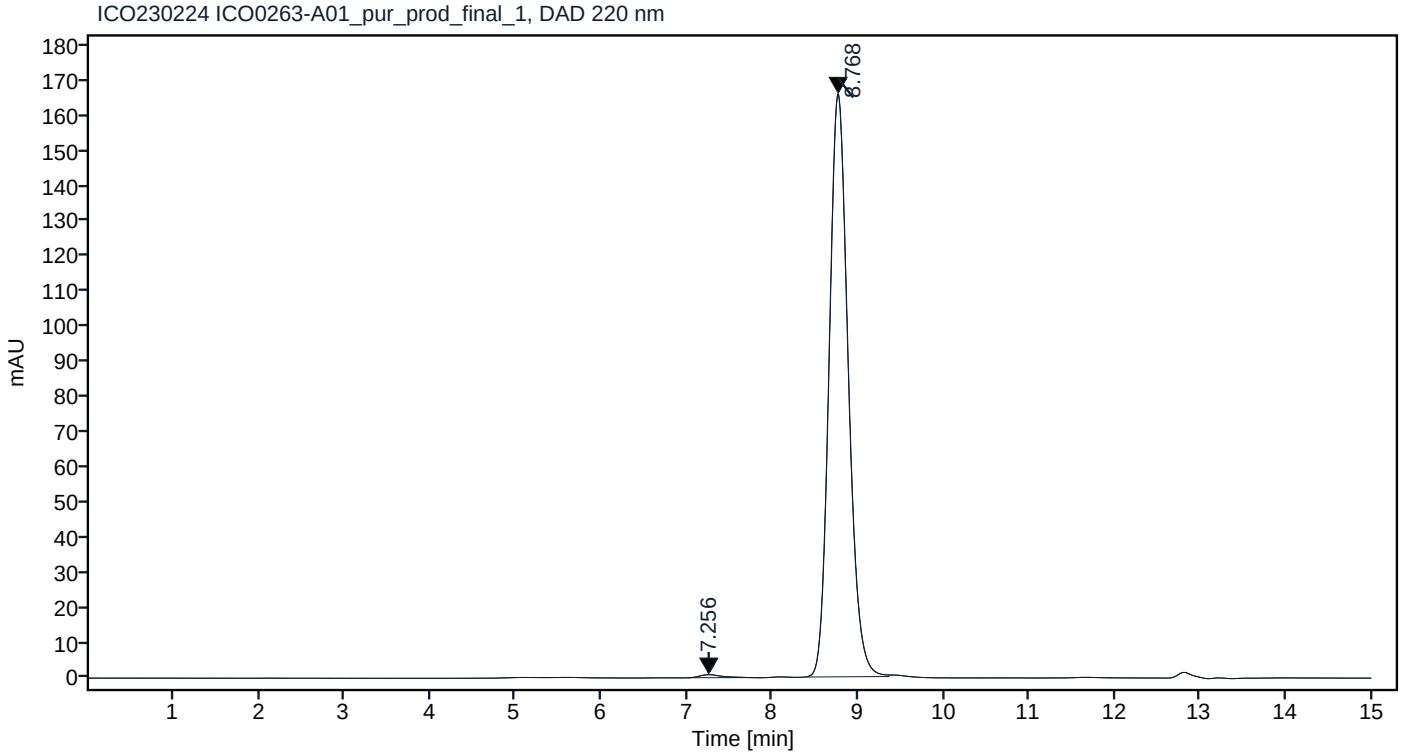


Figure 1. CE-SDS virtual gel output (LabChip GX) for monoclonal antibody to Galectin-3, clone 2D7 under non-reduced (NR, left) and reduced (R, right) conditions.

Peak #	RT (min)	Estimated Mw (Da)*	Area	Area %
1	7.256	415573	15.23	0.59
2	8.768	144875	2581.70	99.41

Chromatogram

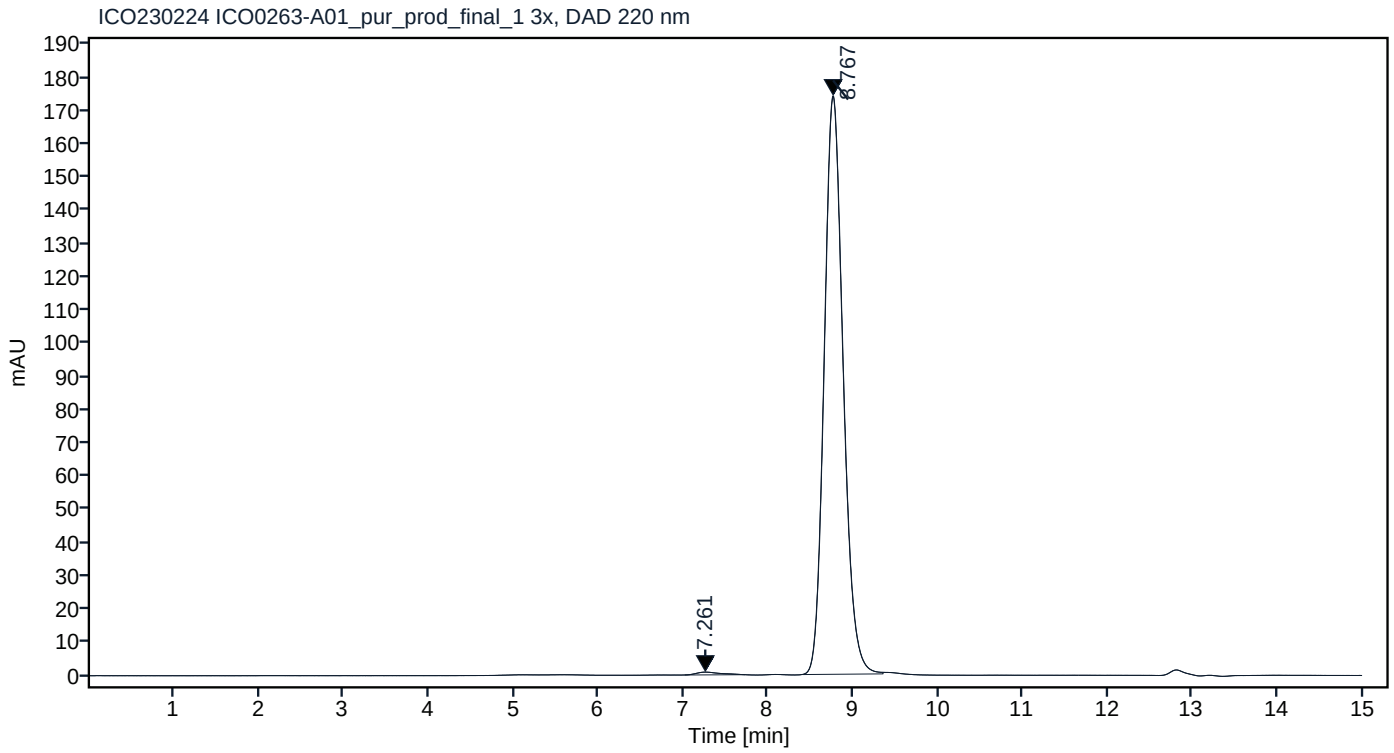


*Calculated using calibration curve obtained from AdvanceBio SEC 300A Protein Standard (p/n 5190-9417) retention times. Peaks with integrated areas below 0.5% of the calculated values were excluded from analysis.

Figure 2. Analytical SEC of final product.

Peak #	RT (min)	Estimated Mw (Da)*	Area	Area %
1	7.261	408888	16.35	0.60
2	8.767	144930	2701.64	99.40

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.

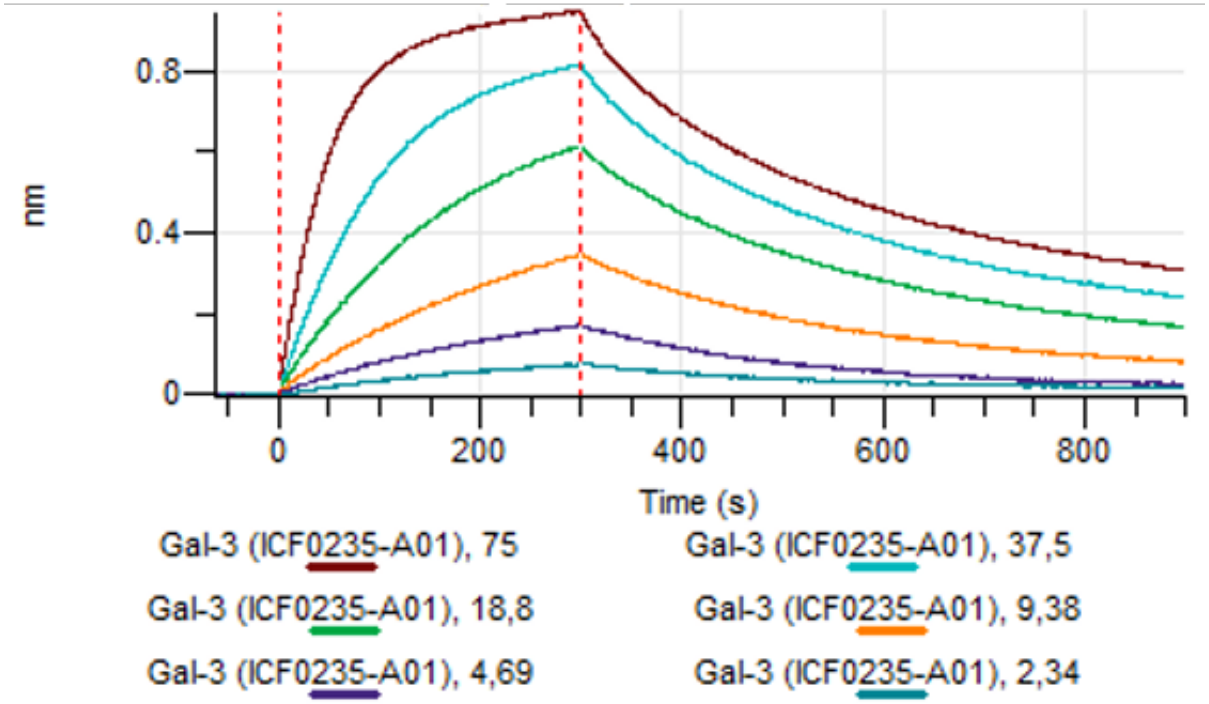


Figure 4. Octet binding analysis, antibody was loaded on sensor for capture of Galectin-3 protein in different concentrations.