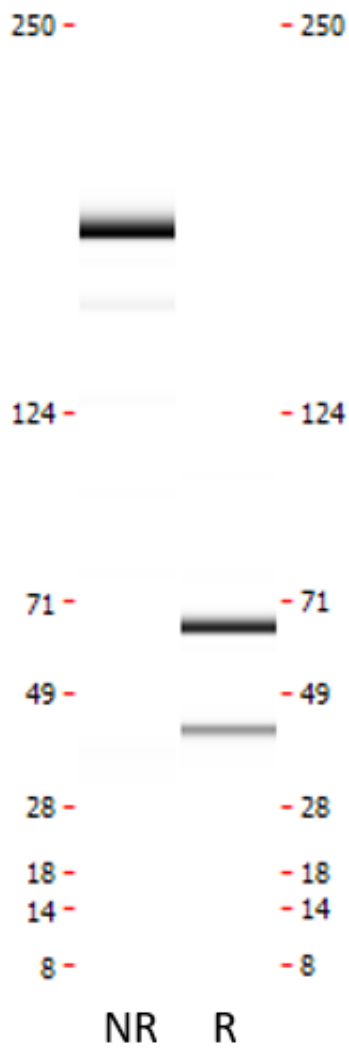




## Monoclonal antibody to Galectin-3, clone 4H1, hIgG1

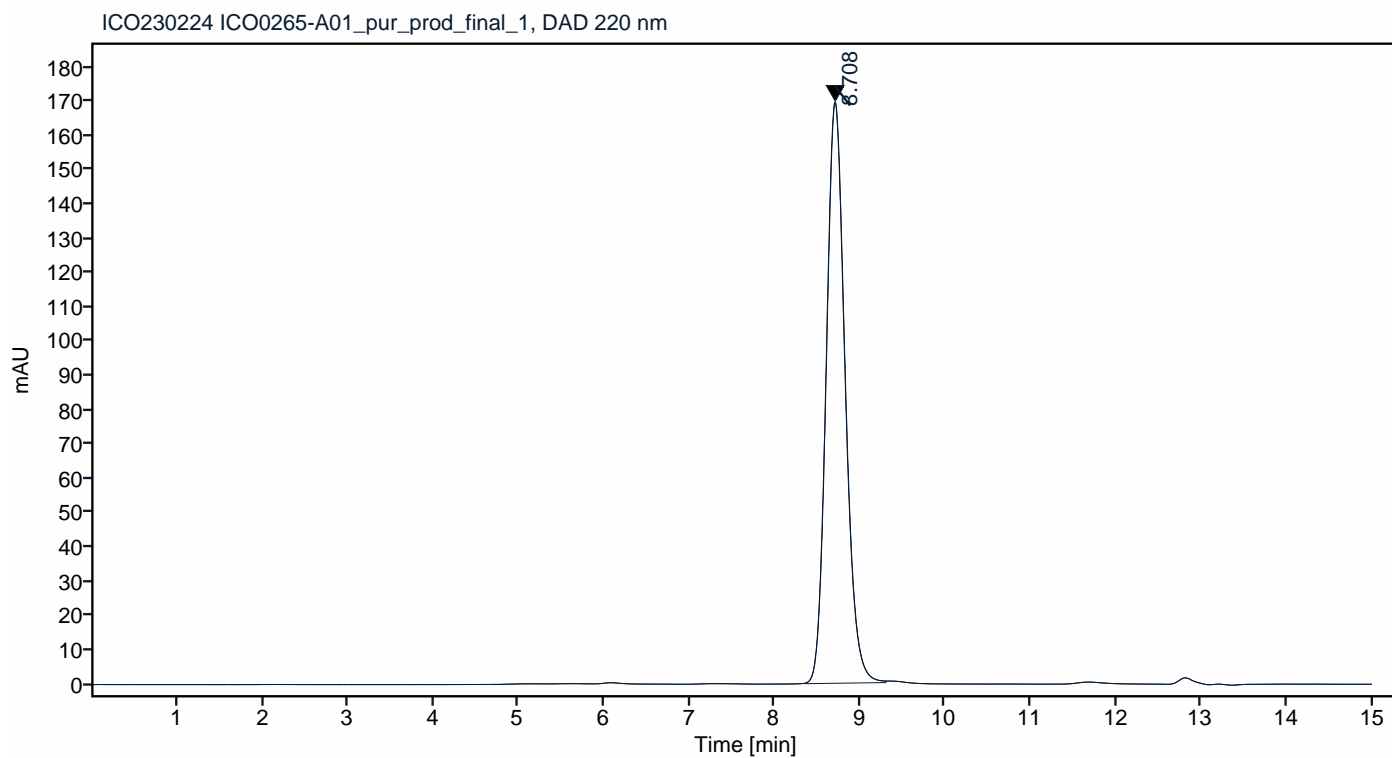
Catalogue #	R1-245-100
Immunogen:	Recombinant Galectin-3 protein
Immunogen Description:	Recombinant Galectin-3 protein produced by CHO-based cell line (expressed by QMCF Technology).
Source:	Human
Clonality:	Human monoclonal
Clone:	4H1
Class:	hIgG1
Application:	ELISA, CLIA
Kd:	$6.010 \times 10^{-8}$ 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 4H1 under non-reduced (NR, left) and reduced (R, right) conditions.

Peak #	RT (min)	Estimated Mw (Da)*	Area	Area %
1	8.708	151319	2614.31	100.00

## Chromatogram

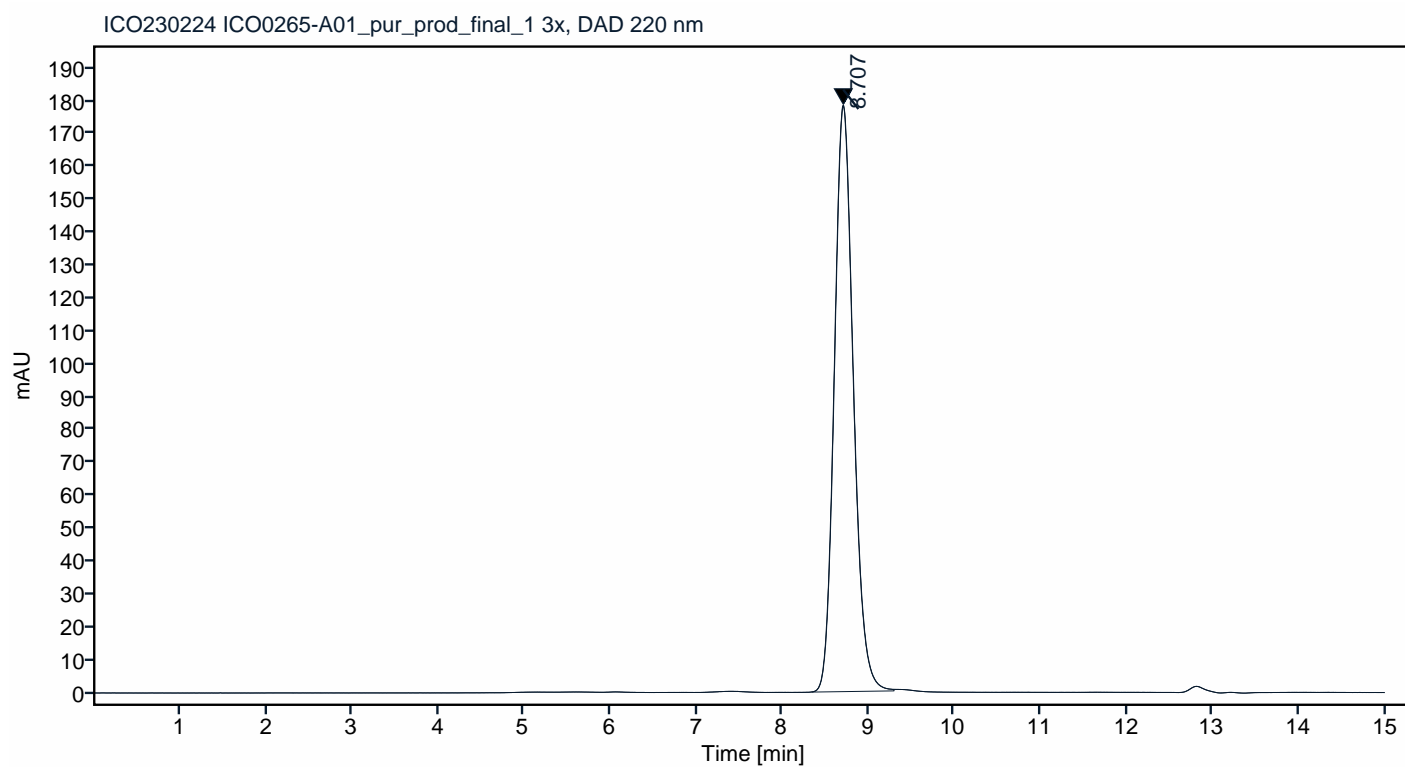


\*Calculated using calibration curve obtained from AdvanceBio SEC 300A Protein Standard (p/n 5190-9417) retention times. Peaks with integrated areas below 0.5% of the calculated values were excluded from analysis.

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

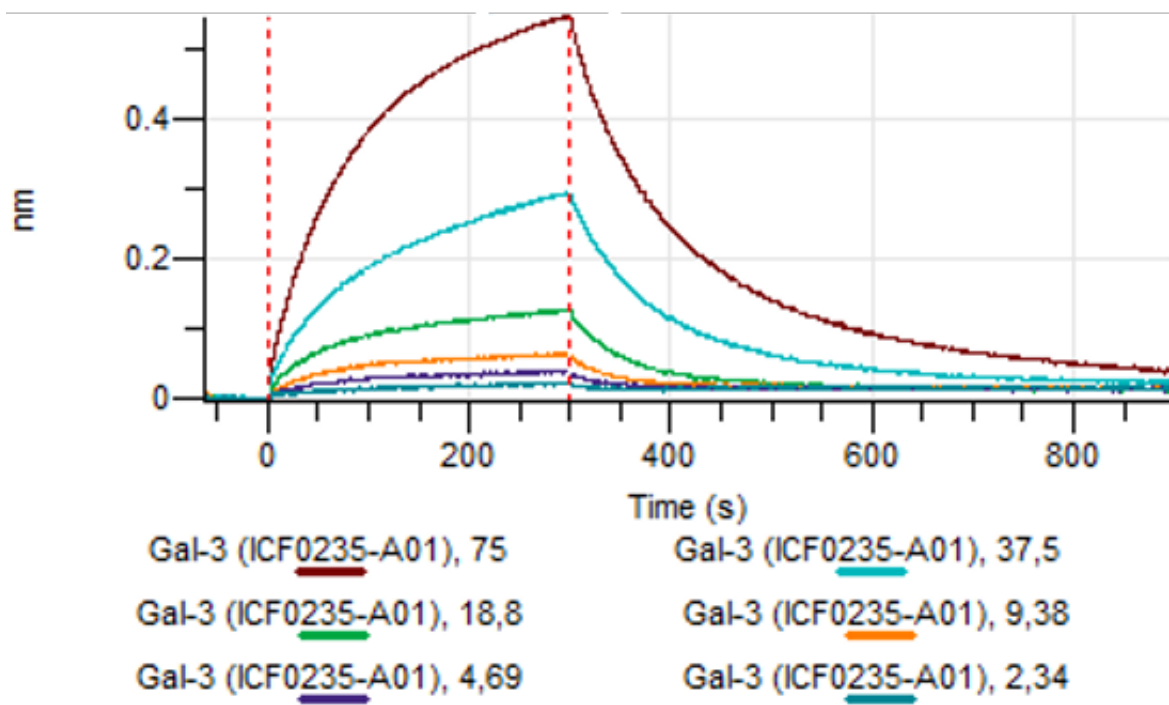
Peak #	RT (min)	Estimated Mw (Da)*	Area	Area %
1	8.707	151438	2742.78	100.00

## 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.