



Monoclonal antibody to Procalcitonin, hlgG1-kappa (clone 12C5)

Catalogue #	R1-402-100
Immunogen:	Recombinant hPCT protein
Immunogen Description:	Produced by CHO-based cell line (expressed by QMCF Technology).
Clonality:	Human monoclonal
Clone:	12C5
Class:	hlgG1
Reactivity:	human PCT
Application:	ELISA, Octet binding
Kd:	5.54×10^{-10} M
Purification:	Protein A affinity chromatography following desalting.
Buffer:	PBS pH 7.4
Shipping:	Shipped on dry ice.
Storage:	Store at -20 °C to -70 °C long term. Avoid multiple freeze-thaw cycles.

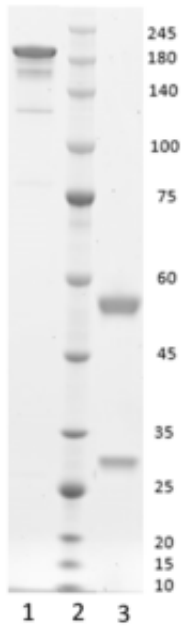


Figure 1. Simply Blue Safe Stained SDS-PAGE analysis of mAb to Procalcitonin, clone 12C5. 4-15% gradient gel is used for analysis. Lane 1. Monoclonal antibody to Procalcitonin, clone 12C5 (-DTT) Lane 2. Size marker. Lane 3. Monoclonal antibody to Procalcitonin, clone 12C5 (+DTT)

Peak Table

Peak #	RT (min)	Area	Area %
1	8.632	2542.19	100.00

Chromatogram

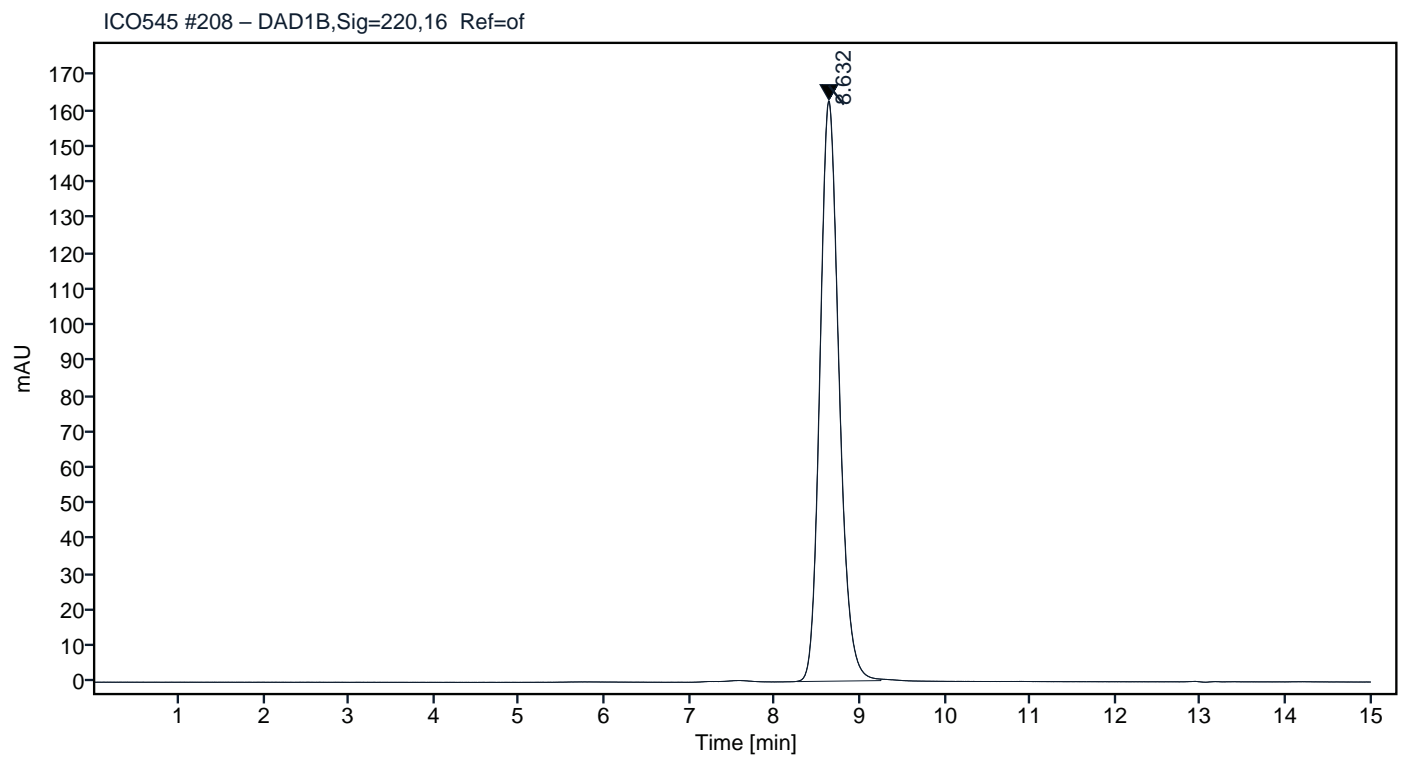


Figure 2. Analytical HPLC-SEC for final antibody product

Peak Table

Peak #	RT (min)	Area	Area %
1	7.470	17.94	0.77
2	8.632	2304.59	99.23

Chromatogram

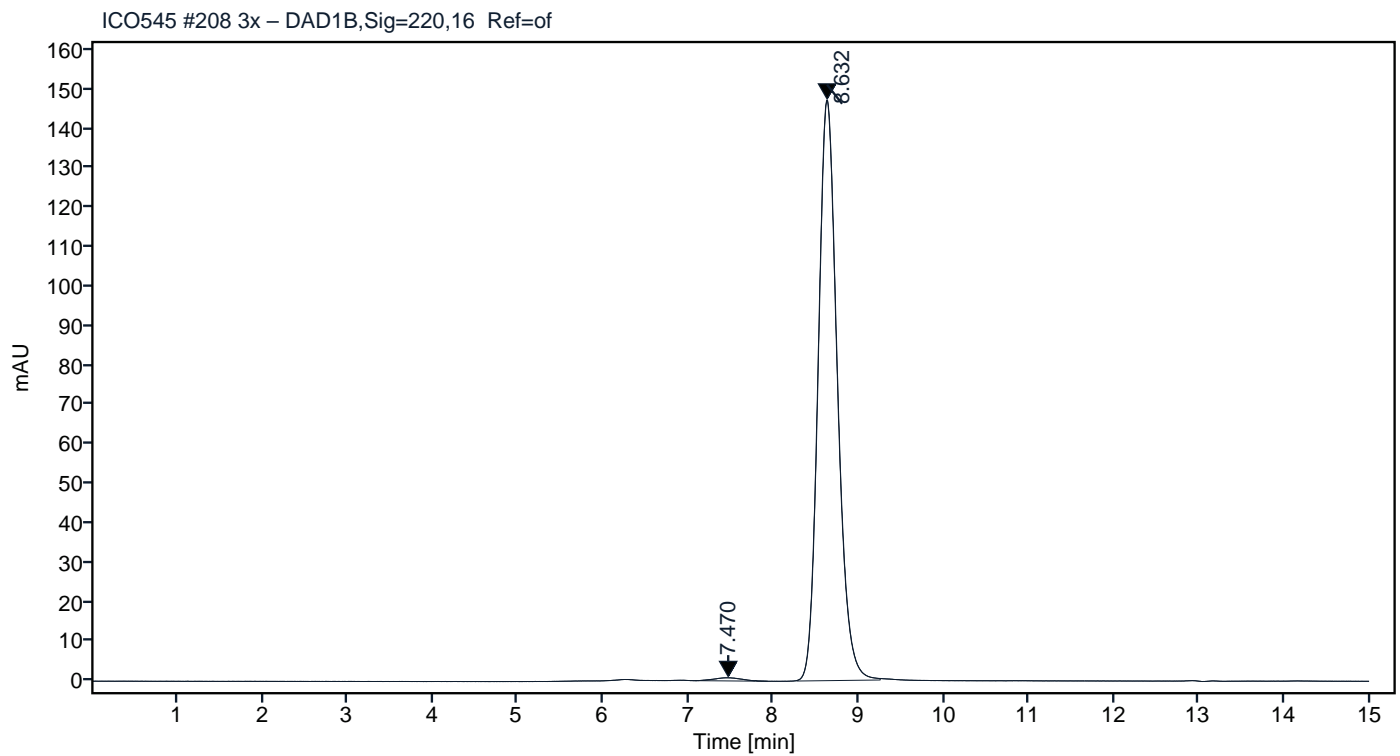


Figure 3. Analytical HPLC-SEC for final antibody product after 3 freeze-thaw cycles

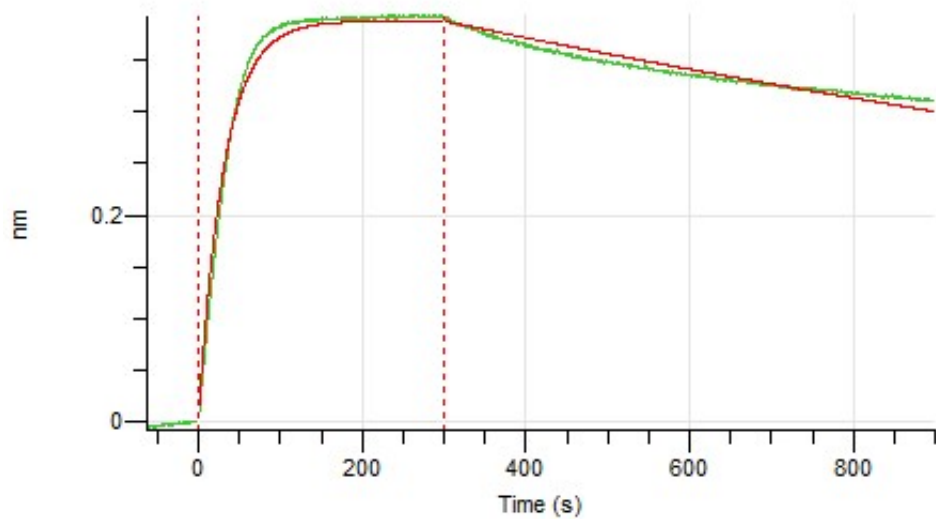


Figure 4. Octet RED96e analysis, antibody was loaded on sensor for capture of hPCT protein.