



Monoclonal antibody to Procalcitonin, hIgG1-kappa (clone 5G1)

Catalogue #	R1-401-100
Immunogen:	Recombinant hPCT protein
Immunogen Description:	Produced by CHO-based cell line (expressed by QMCF Technology).
Clonality:	Human monoclonal
Clone:	5G1
Class:	hIgG1
Reactivity:	human PCT
Application:	antigen recognition in ELISA, Octet binding
Kd:	2.07×10^{-10} M
Purification:	Protein A affinity chromatography following desalting
Buffer:	PBS pH 7.4
Shipping:	Shipped with blue ice.
Storage:	Store at +4 °C. Avoid multiple freeze-thaw cycles.

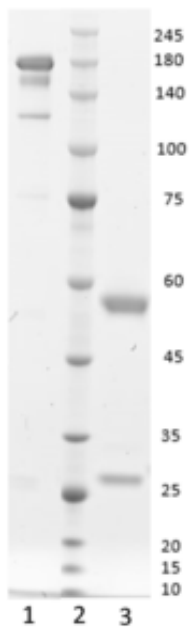


Figure 1. Simply Blue Safe Stained SDS-PAGE analysis of mAb to Procalcitonin, clone 5G1. 4-15% gradient gel is used for analysis. Lane 1. Monoclonal antibody to Procalcitonin, clone 5G1 (-DTT) Lane 2. Size marker Lane 3. Monoclonal antibody to Procalcitonin, clone 5G1 (+DTT)

Peak Table

Peak #	RT (min)	Area	Area %
1	8.767	2400.88	100.00

Chromatogram

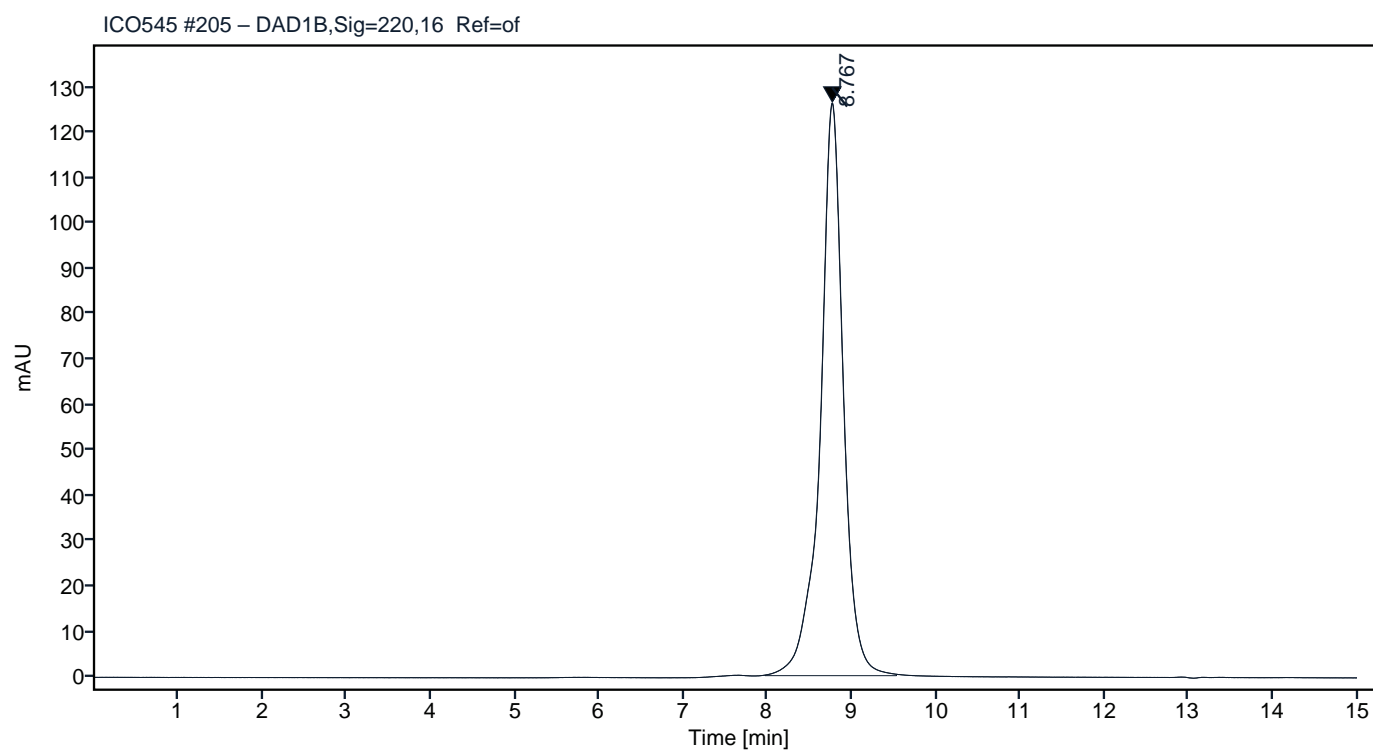


Figure 2. Analytical HPLC-SEC for final antibody product

Peak Table

Peak #	RT (min)	Area	Area %
1	8.767	2211.41	100.00

Chromatogram

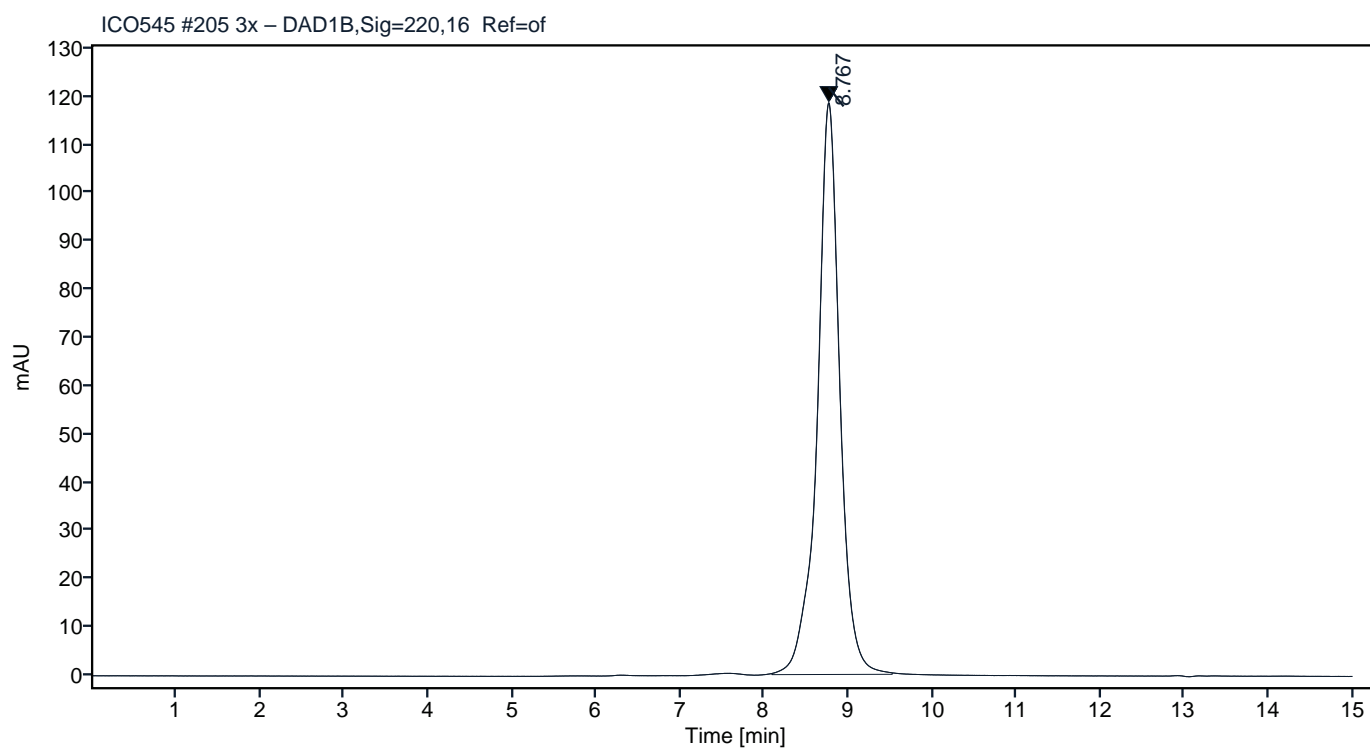


Figure 3. Analytical HPLC-SEC for final antibody product after 3 freeze-thaw cycles

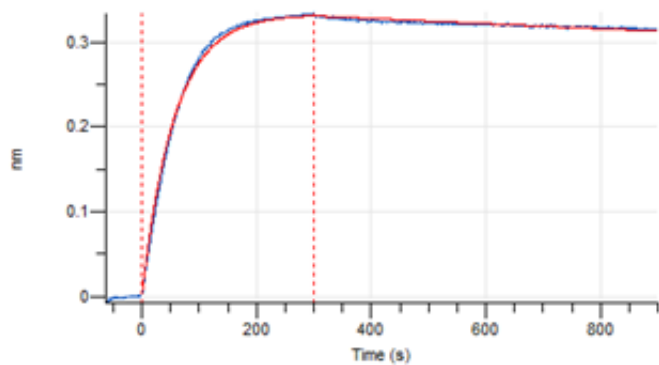


Figure 4. Octet RED96e analysis, antibody was loaded on sensor for capture of hPCT protein.

