

Rabbit IgG1 mAb to cardiac troponin I, clone 26B5

Catalogue #	R1-193-100
Immunogen:	Human cardiac troponin I
Immunogen Description:	Recombinant human cardiac troponin complex produced by CHO-based cell line (expressed by QMCF Technology).
Clonality:	Rabbit monoclonal
Clone:	26B5
Class:	rbIgG
Reactivity:	Human cardiac troponin I
Dissociation constant (K_D):	2.18×10^{-09} M (troponin complex binding from solution) 1.34×10^{-11} M (troponin complex binding from streptavidin surface)
Application:	ELISA, CLIA
Purification:	Protein A affinity chromatography following gel filtration
Concentration:	1 mg/ml
Buffer:	PBS, pH 7.4
QC:	Simply Blue Safe stained SDS-PAGE, analytical SEC, Octet binding
Shipping:	Shipped on blue ice.
Storage:	Refrigerated at +2...+8°C for short term. Store at -20 °C to -70 °C long term. Avoid multiple freeze-thaw cycles.

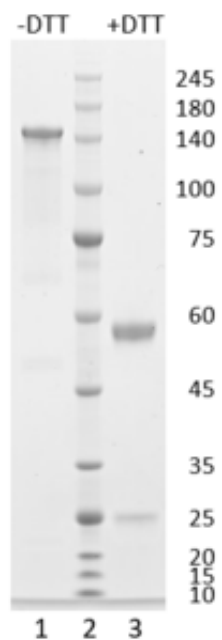


Figure 1. Simply Blue Safe stained SDS-PAGE analysis of monoclonal antibody to human Cardiac Troponin I, clone 26B5. 4-12% gradient gel is used for analysis. Lane 1. Monoclonal antibody to human Cardiac Troponin I, clone 26B5 (-DTT) Lane 2. Size marker Lane 3. Monoclonal antibody to human Cardiac Troponin I, clone 26B5 (+DTT)

Peak Table

RT	Area	Area %
8.748	2626.7	100.00

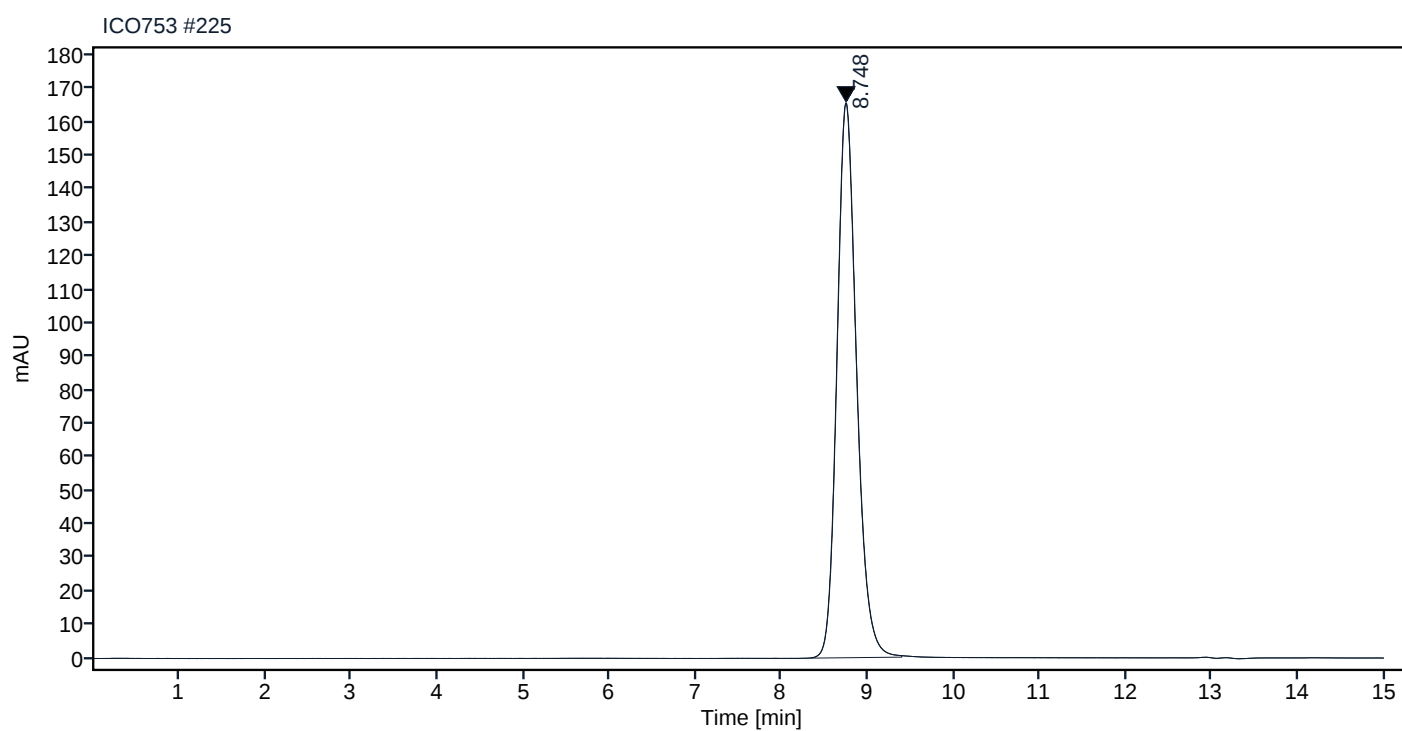


Figure 2. HPLC analytical SEC for final product.

Peak Table

RT	Area	Area %
8.749	2383.2	100.00

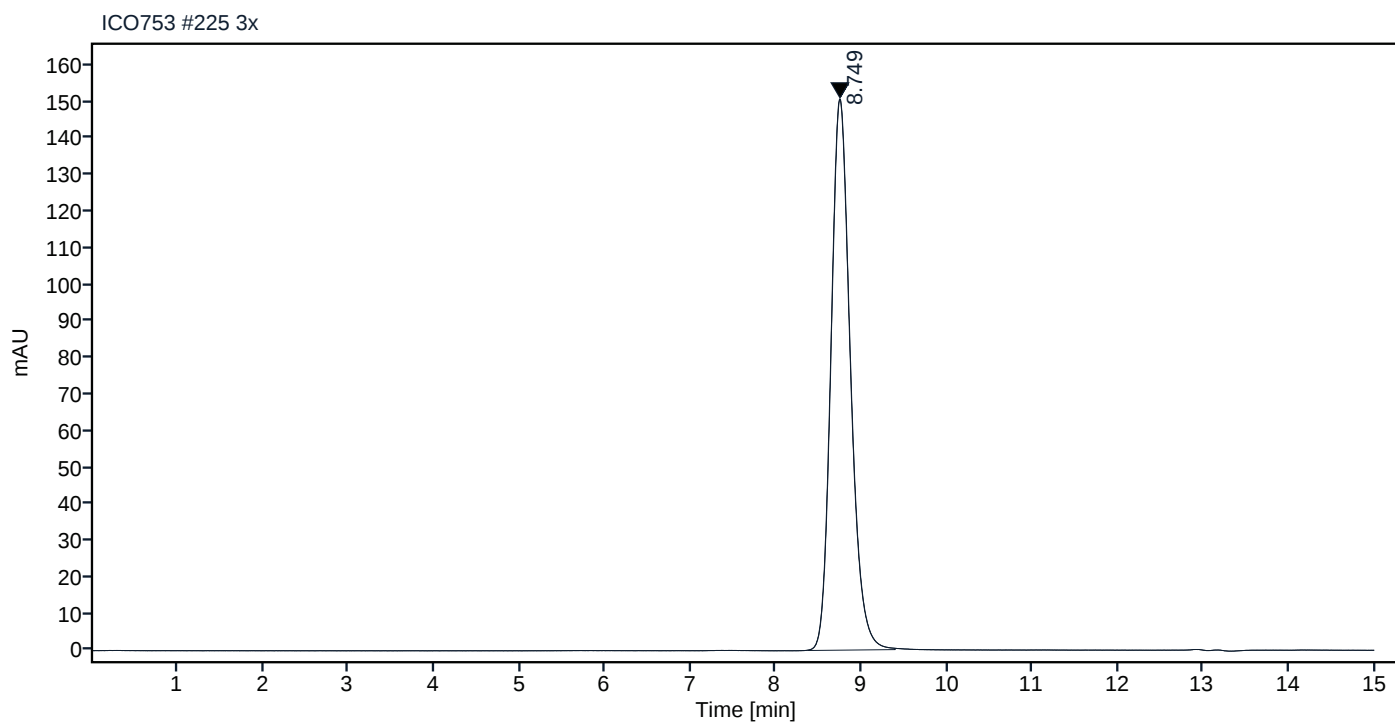


Figure 3. HPLC analytical SEC after 3 freeze-thaw cycles.

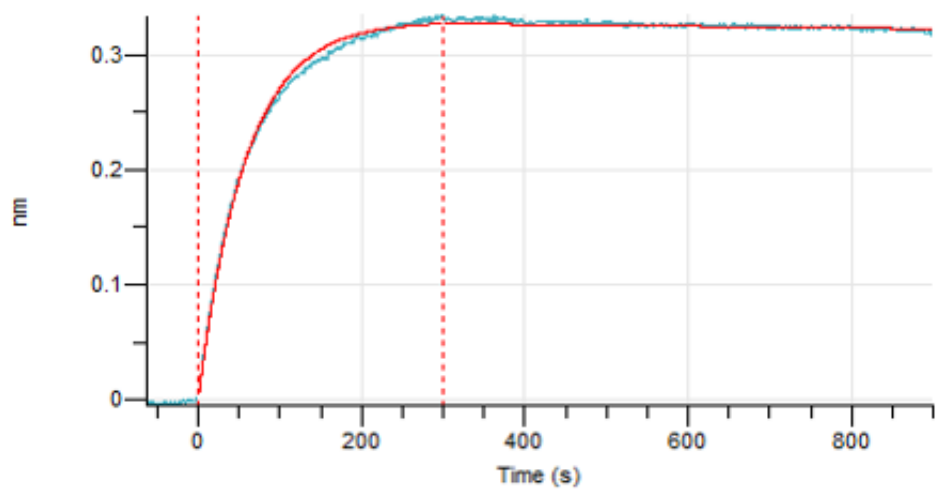


Figure 4. Octet RED96e analysis, antibody was loaded on sensor for capture of troponin complex.