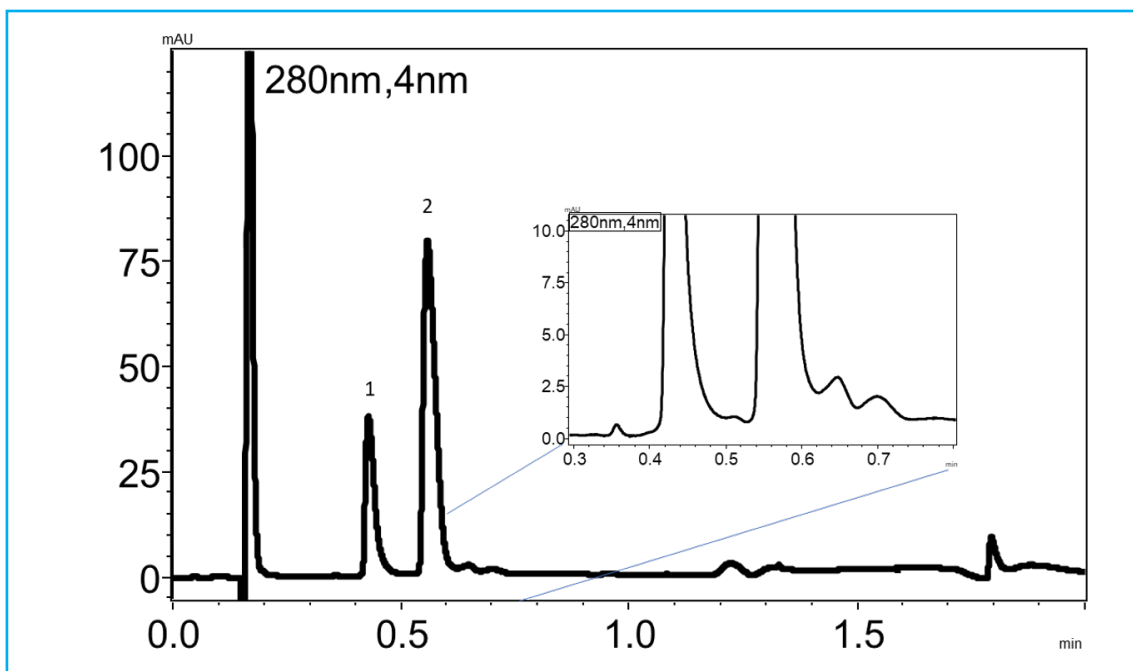




## Rapid Separation of Reduced Trastuzumab on HALO 1000 Å Diphenyl

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### TEST CONDITIONS:

Column: HALO 1000 Å Diphenyl, 2.7 $\mu$ m, 1.5 x 50 mm  
 Part Number: 9271X-426  
 Mobile Phase A: water/0.1% formic acid  
 Mobile Phase B: acetonitrile/0.1% formic acid  
 Gradient: 29 - 38 %B in 1 min  
 Flow Rate: 0.4 mL/min  
 Pressure: 160 bar  
 Temperature: 60 °C  
 Detection: 280 nm  
 Injection Volume: 0.5  $\mu$ L of 1 mg/mL reduced trastuzumab  
 Sample Solvent: 6 M guanidine HCl/50 mM ammonium bicarbonate/10 mM DTT  
 Data Rate: 100 Hz  
 Response Time: 0.025 sec  
 Flow Cell: 1  $\mu$ L  
 LC System: Shimadzu Nexera X2

### PEAK IDENTITIES

1. Light Chain
2. Heavy Chain

A rapid separation of reduced trastuzumab is performed on a HALO 1000 Å Diphenyl, 2.7  $\mu$ m column in 1.5 x 50 mm. The column is run at twice the usual flow rate to demonstrate how the Fused-Core® particle design enables fast separation while maintaining the resolution of the separation.

