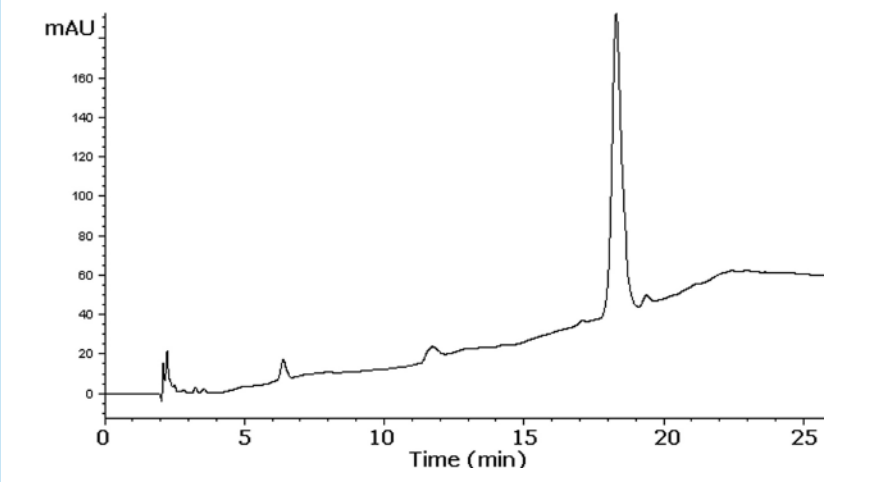
APPLICATION NOTES

Cogent™ C8 300
For Macro Molecules

HPLC
RP

Monoclonal anti-a1-glycoprotein

From Mouse



Method Conditions

Column: Cogent Bidentate C8 300™ 5µm, 300Å.
Catalog No.: 40008-75P-3M
Dimensions: 4.6 x 75 mm
Solvents: A: DI water + 0.1% trifluoroacetic acid (TFA)
B: acetonitrile + 0.1% TFA
Gradient:

Time (min)	%B
0.0	15
20.0	50
25.0	50
25.1	15

Post Tme: 5 min
Flow Rate: 0.5 mL/min.
Sample Peak: Monoclonal anti-a1-glycoprotein, mouse 043H4848 in 0.05% w/v in DI water
Detection: UV 214 nm
Injection: 1 microL

Discussion

For the last few decades glycoproteins have been a subject of interest to biochemists and biologists in many fields. These proteins are found in plasma and other biological fluids and they serve many functions in nearly every physiological process of living organisms. These macromolecules consist of a peptide chain and one or more carbohydrates linked to them. The simple gradient method used in this note for the analysis is very reproducible (%RSD about 1.5). The equilibration time between samples is very short. The peak is symmetrical and easy to integrate.

For more information visit www.MTC-USA.com

Cat. No.	Description
40008-75P-3M	Cogent Bidentate C8 column for Macro Molecules, 300A, 5µm, 4.6x75mm