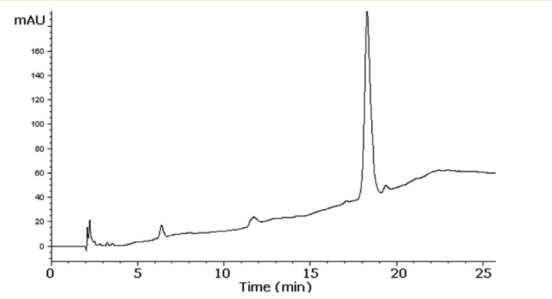
Monoclonal anti-a1-glycoprotein

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 H_2O/ 0.1% trifluoroacetic acid (TFA)
B: Acetonitrile/ 0.1% TFA

Gradient:

time (min.)	%B
0	15
20	50
25	50
25.1	15

Post Time: 5 min

Injection vol.: 1µL

Flow rate: 0.5 mL/min

Detection: UV 214 nm

Sample: Monoclonal anti-a1-glycoprotein, mouse 043H4848 in 0.05% w/v in DI H_2O

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.

Notes: This glycoprotein is associated with inflammatory response and its related conditions such as rheumatoid arthritis.

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