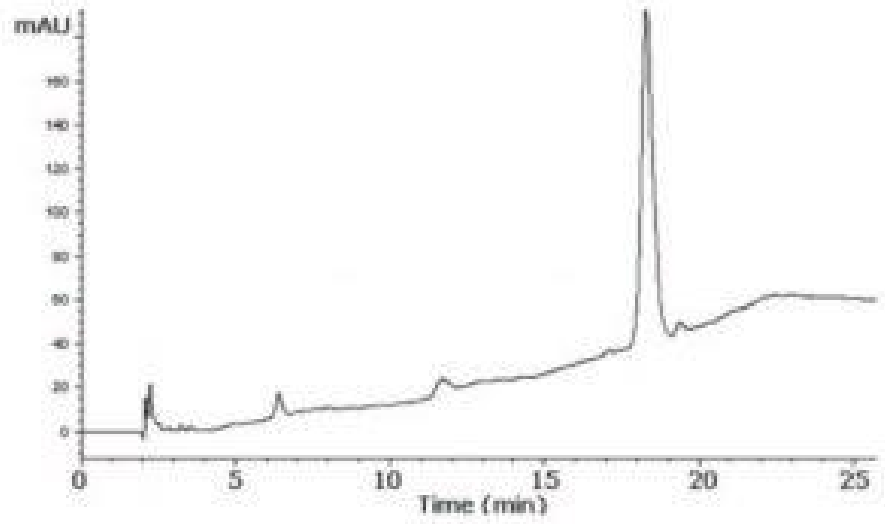
Anti- A1- Glycoprotein - Monoclonal Protein - AppNote

Glycoprotein Analysis

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 and the symmetrical peak is easy to integrate.



Method Conditions

Column: Cogent Bidentate C8 300™, 5µm, 300Å
Catalog No.: 40008-75P-3M
Dimensions: 4.6 x 75mm
Mobile Phase:
A: DI Water / 0.1% Trifluoroacetic Acid
B: Acetonitrile / 0.1% Trifluoroacetic Acid
Gradient:

Time *(minutes)*	%B
0	15
20	50
25	50
25.1	15

Post Time: 5 minutes
Injection vol.: 1µL

Flow rate: 0.5mL / minutes
Detection: UV @ 214nm
Sample Preparation: Monoclonal Anti-A1-Glycoprotein, Mouse 043H4848 in 0.05 % (w/v) in DI Water

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Notes: *This Glycoprotein is associated with inflammatory response and its related conditions such as Rheumatoid Arthritis.*

Attachment No 94 Monoclonal anti-a1-glycoprotein pdf 0.1 Mb Download File

MicroSolv Technology Corporation
9158 Industrial Blvd. NE, Leland, NC 28451
Tel: (732) 380-8900
Fax: (910) 769-9435
Email: customers@mtc-usa.com
Website: www.mtc-usa.com