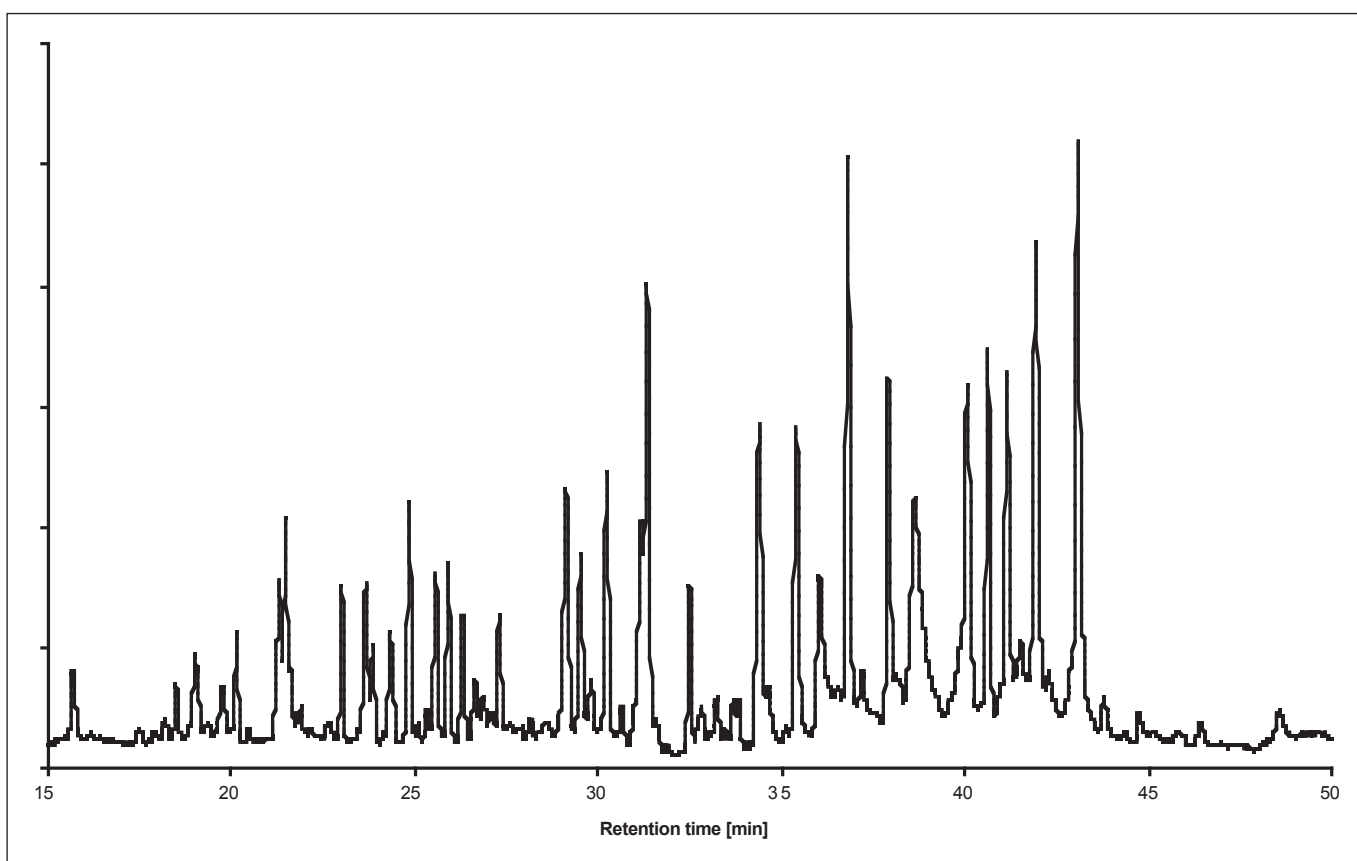


Analysis of the tryptic digest of a monoclonal antibody

ProteCol® C18 G

Column part number	2C184-03M30K		
Column	ProteCol C18 G, 3 µm, 300 Å, 100 mm x 300 µm	Flow rate	3.0 µL/min
Sample	100 ng monoclonal antibody digest	Gradient	0 to 60 min: 0% to 100% B
Mobile phase A	0.1% Trifluoroacetic acid	Column temperature	20°C
Mobile phase B	0.1% Trifluoroacetic acid in 80% Acetonitrile	Detection	LC-UV



More and more modern medicines are protein based. To obtain large and pure quantities these proteins are manufactured using a recombinant technique. The DNA sequence for the protein is transferred into a host, which in turn produces the protein as one of its own. The quality of expression can be monitored by analyzing a tryptic digest.

The example is the tryptic digest of a chimeric human-mouse monoclonal antibody. A chimeric antibody is a hybrid of a variable region of mouse origin combined with the human constant region to minimize adverse immune response by the patient.

For more information visit www.trajanscimed.com or contact techsupport@trajanscimed.com