

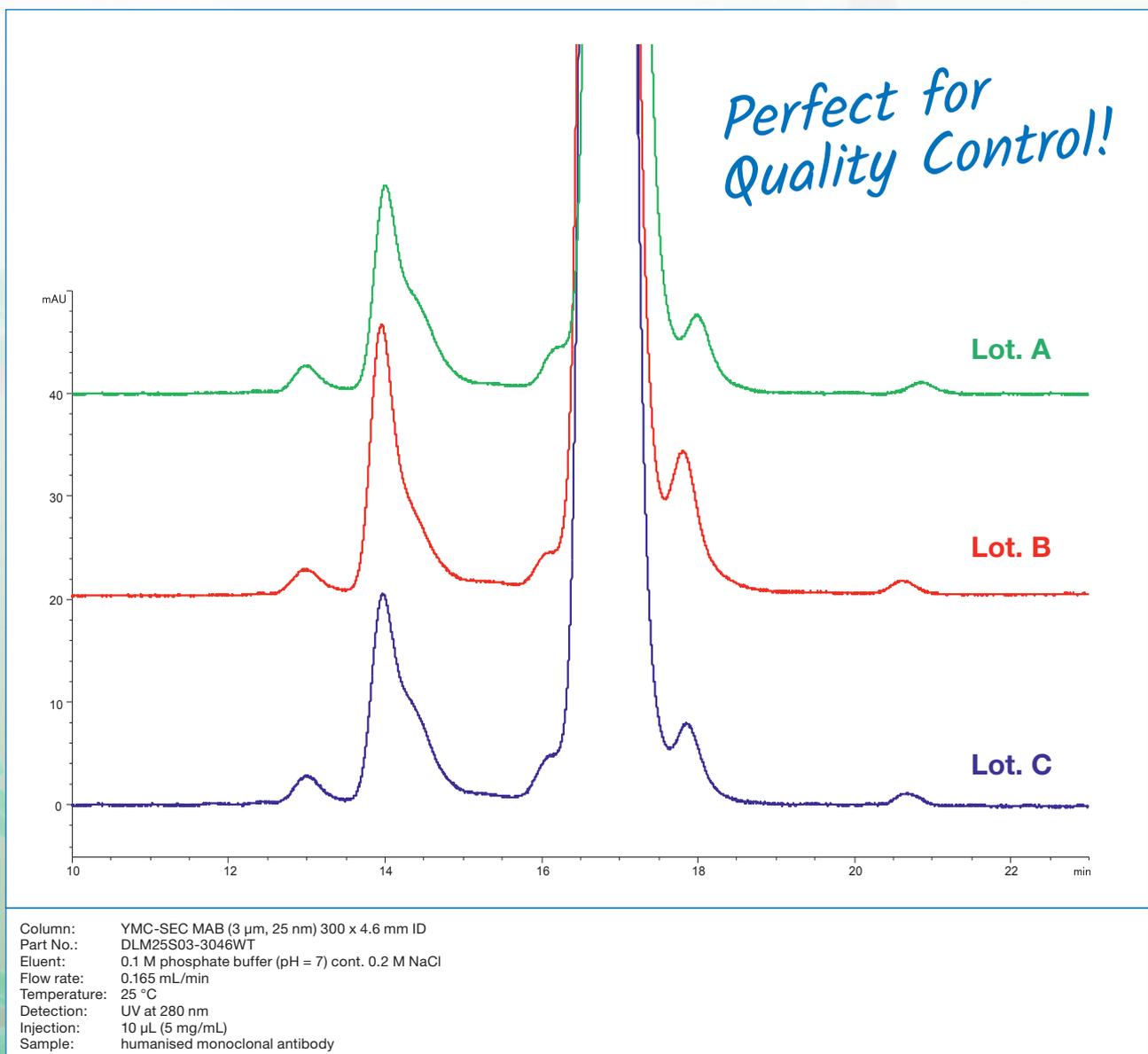
Size Exclusion Columns for Antibodies

YMC-SEC MAB

Features

- Especially designed for antibody analysis
- Best choice for Bio QC
- Simultaneous analysis of monomers, fragments and aggregates
- Excellent resolution and peak shapes suitable

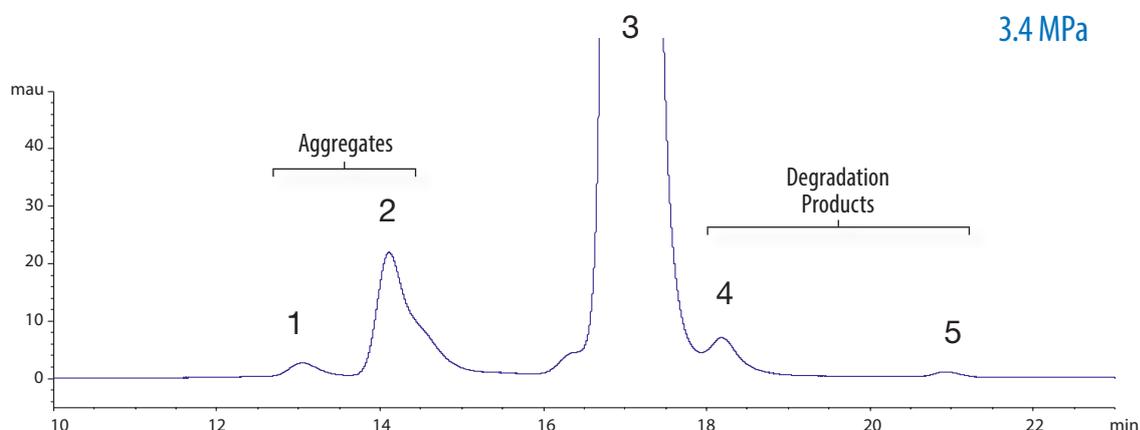
Excellent Lot-to-Lot Reproducibility



YMC-SEC MAB provides excellent reproducibility of the separation of monomer and aggregates as well as for monomer and fragments. Therefore, it is very effective for quality control of antibody drugs.

Ideal Choice for Monoclonal Antibodies

*Higher resolution for
HMW and LMW regions!*

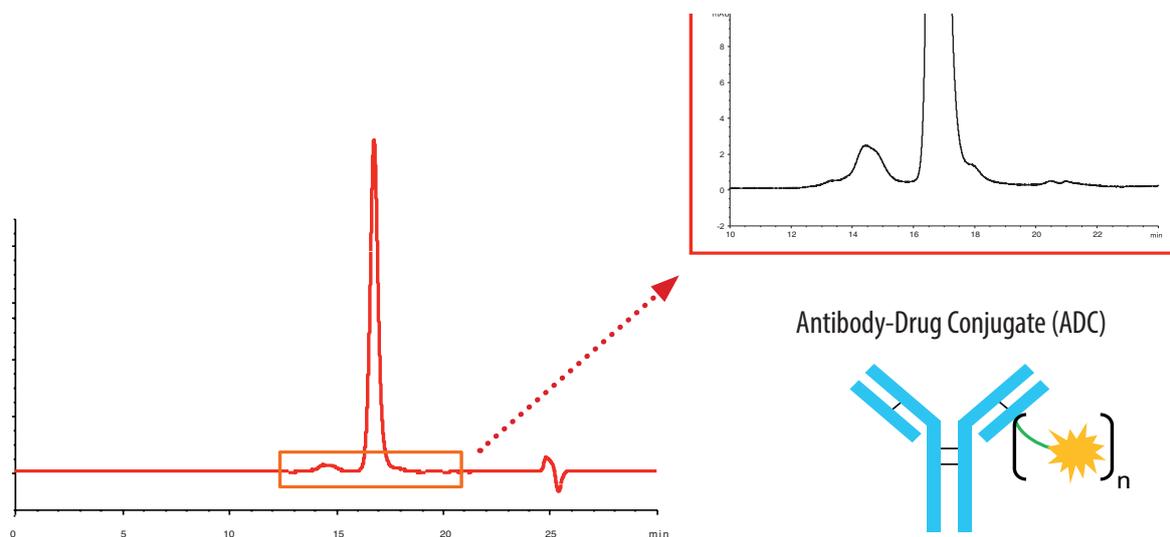


Column: YMC-SEC MAB (3 μ m, 25 nm) 300 x 4.6 mm ID
Part No.: DLM25S03-3046WT
Eluent: 0.1 M phosphate buffer (pH = 7) cont. 0.2 M NaCl
Flow rate: 0.165 mL/min
Temperature: 25 °C

Detection: UV at 280 nm
Cell path: 10 mm
Injection: 10 μ L (5 mg/mL)
Sample: Avastin

Simultaneous analysis of both high and low molecular weight regions is possible with just one column: **YMC-SEC MAB.**

Suitable for Antibody-Drug-Conjugates (ADCs)

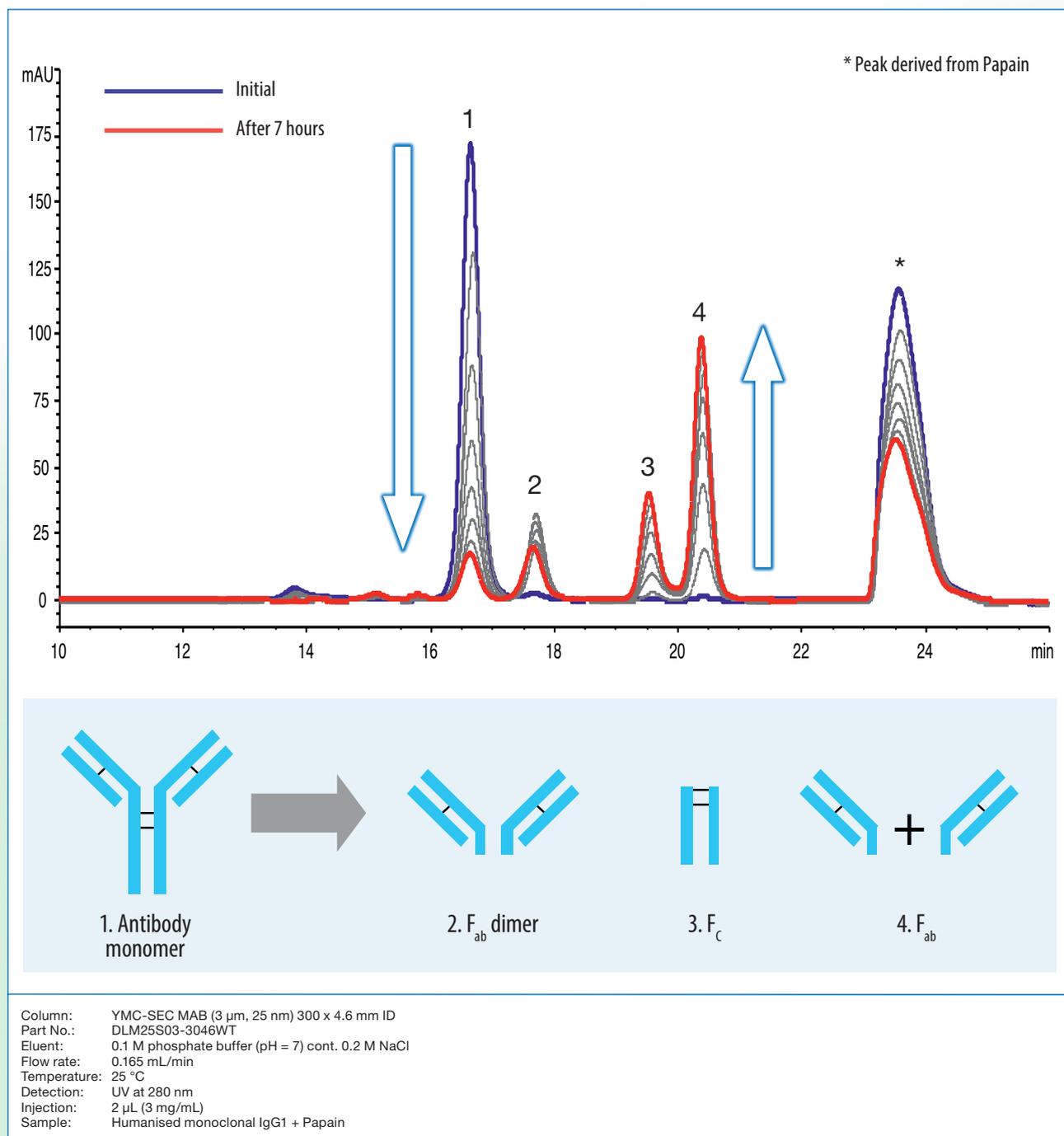


Column: YMC-SEC MAB (3 μ m, 25 nm) 300 x 4.6 mm ID
Part No.: DLM25S03-3046WT
Eluent: 0.1 M phosphate buffer (pH = 7) cont. 0.2 M NaCl / 2-propanol (85 / 15)
Flow rate: 0.165 mL/min

Temperature: 25 °C
Detection: UV at 280 nm
Injection: 4 μ L (2.5 mg/mL)
Sample: SigmaMAb Antibody Drug Conjugate Mimic

YMC-SEC MAB is also suitable for the analysis of Antibody-Drug Conjugates (ADC). The addition of an organic solvent to the mobile phase is effective in improving the results obtained for ADC analysis.

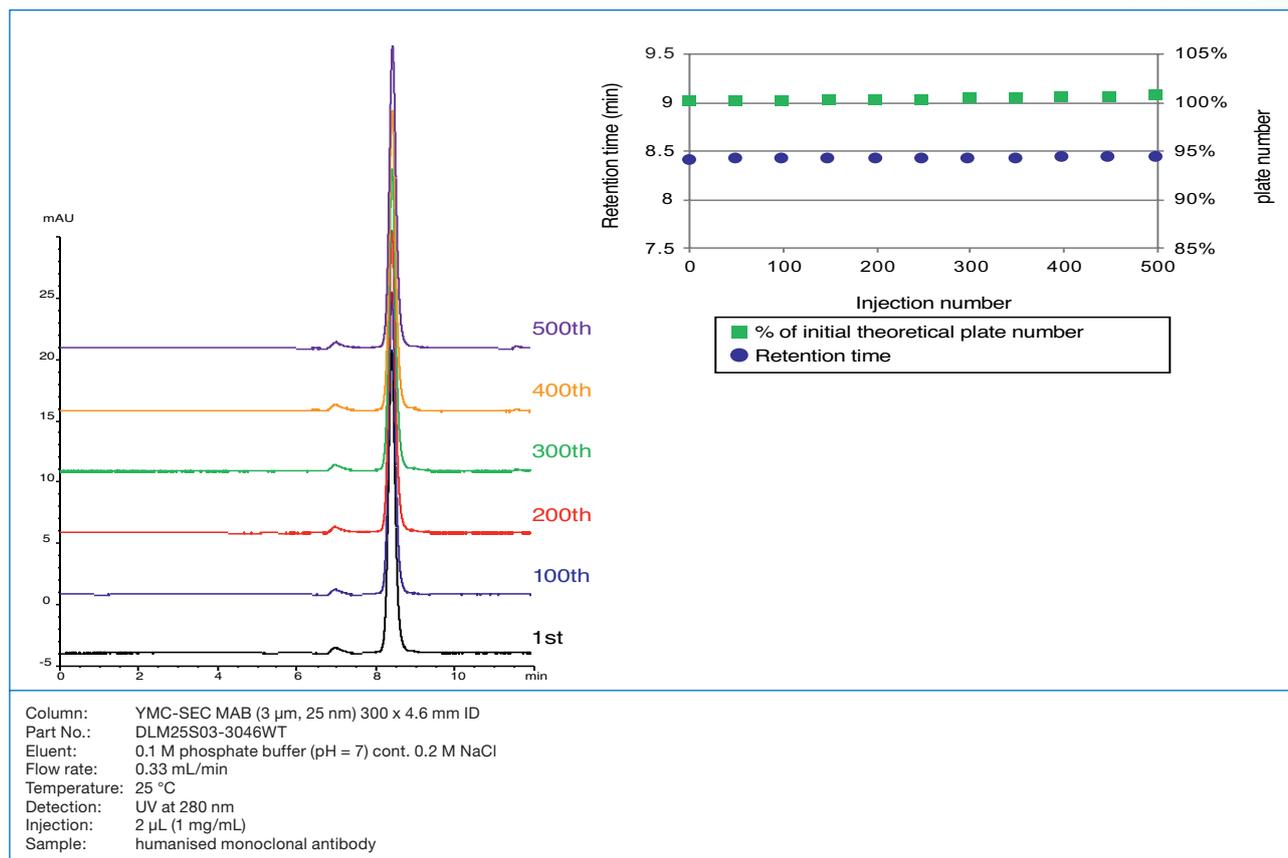
Ideal for Analysis of Digested Antibodies



Ideal for the analysis of fragments/degradation products of antibodies:

Digestion of a monoclonal antibody with papain was monitored for 7 hours. The peak of the monomer decreased as digestion proceeded, while peaks for degradation products increased.

High Column Stability



Excellent stability is provided for monoclonal antibody analysis without any changes in theoretical plate number or elution time even after more than 500 injections.

Specifications

MW range	10 – 700 kDa
Particle sizes	3 μm (<2 μm^*)
Pore size	25 nm / 250 \AA
Max. Temperature	40 $^{\circ}\text{C}$
Max. Pressure	14 MPa (2,030 psi)
Base particle	silica / dihydroxypropyl

*scheduled for a later release

Ordering Information

Particle size (μm)	Pore size (nm)	Column ID (mm)	Column Length (mm)	Part number
3	25	4.6	150	DLM25S03-1546WT
		4.6	300	DLM25S03-3046WT
		8.0	300	DLM25S03-3008WT

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