



Agilent AdvanceBio SEC Columns

END UNCERTAINTY IN MONOCLONAL ANTIBODY CHARACTERIZATION

The Measure of Confidence



Agilent Technologies

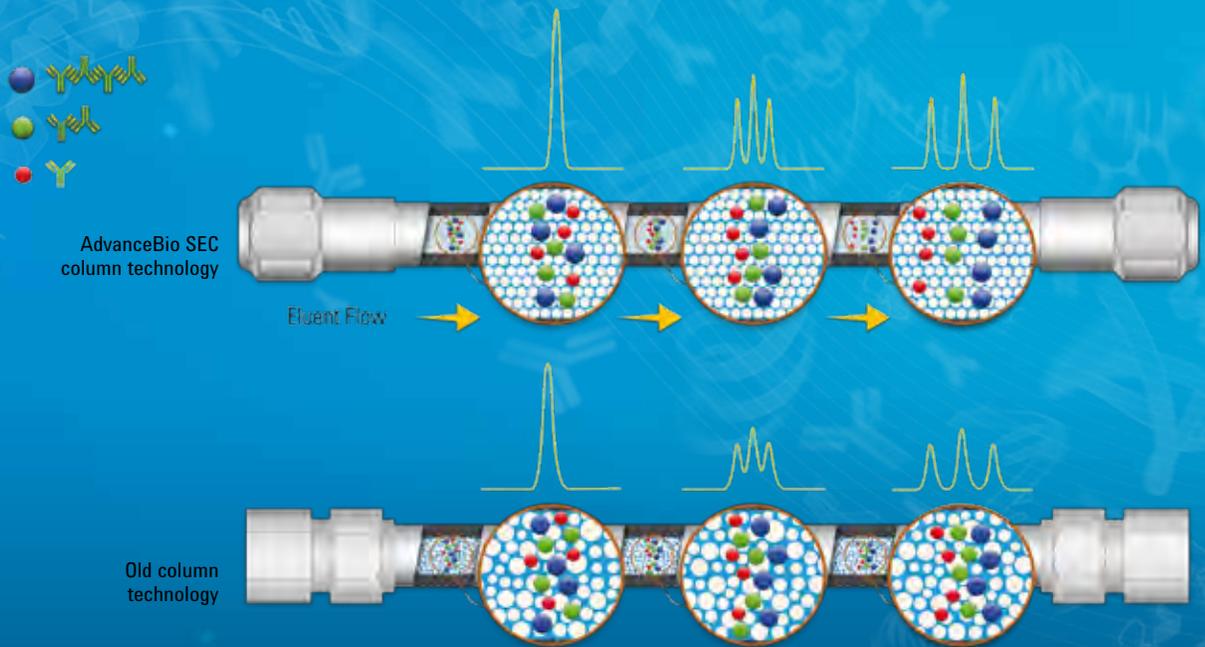
GET THE RIGHT RESULTS EVERY TIME

When you work in a regulated analytical lab—whether you're supporting biopharma discovery, development, or manufacturing—you quickly grasp the challenges involved in characterizing monoclonal antibodies. You understand the need for speed and, even more important, accuracy.

For consistent results—column to column, batch to batch, and lab to lab—only Agilent has the technology to deliver. Every time.

When we designed new columns for size-exclusion chromatography, we started with a blank sheet—not 20-year-old technology—and our scientists came up with innovations no other company can match.

Innovations that put an end to uncertainty. Innovations that put an end to rework.



Analytical roadblocks

- Data bottlenecks
- Poor resolution
- Slow separations
- Rework
- Revalidation
- Sample backlogs

Highlights of AdvanceBio SEC columns

- Increased analytical speed to help you meet vital deadlines
- Increased resolution for more accurate quantitation
- Increased sensitivity to quantitate aggregates, even at low levels
- Increased reproducibility to eliminate rework

THE AGILENT ADVANCEBIO COLUMN PORTFOLIO

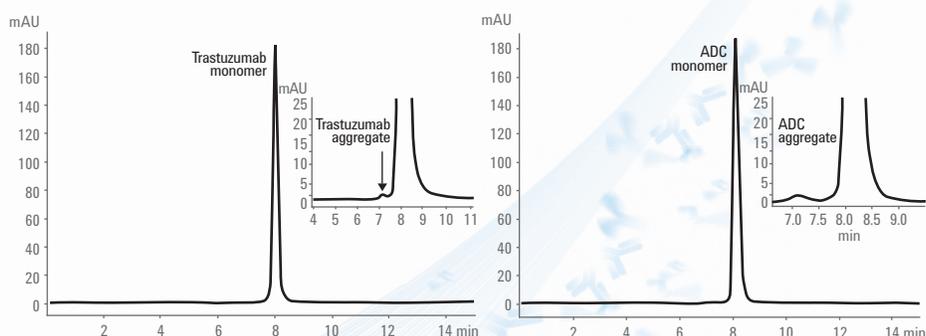
For titer determination and purification via affinity chromatography
Agilent Bio-Monolith Protein A and G

For protein identification and impurity profiling via reversed phase chromatography
Agilent AdvanceBio RP-mAb and AdvanceBio peptide mapping

For results you can reproduce, there's only one sure choice:
the new Agilent AdvanceBio SEC columns.

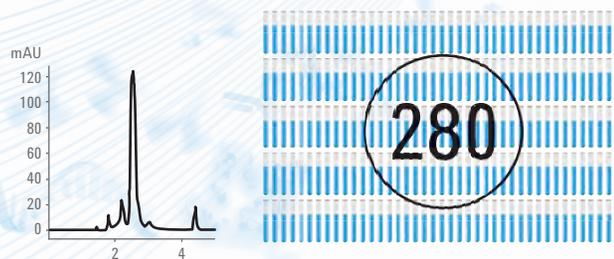
One column, one method, two samples: one mAb one ADC

When proteins are conjugated, their physical and chemical characteristics change. This used to mean you needed a different SEC column and method to quantify aggregation. Not now. Not with Agilent AdvanceBio SEC columns. Our novel bonding chemistry delivers the right result with no changes. With only one column to buy and one method to validate, you save both money and time.

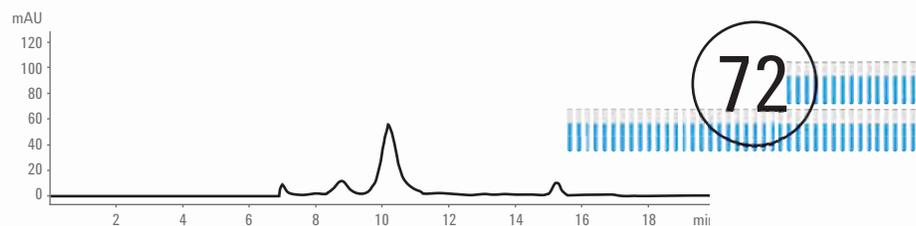


Deliver results to deadlines

With so many samples to analyze, you may think you need more LCs and more columns to meet your deadlines. With Agilent AdvanceBio SEC columns, however, the new silica particle provides the resolution and stability to run shorter columns at higher flow rates, giving you the right result in a quarter of the time. This productivity gain can even be accomplished with your 400-bar system.



AdvanceBio SEC 300Å column: more than 280 samples in 24 hours



Old technology column: maximum 72 samples in 24 hours

For glycan analysis via hydrophilic interaction liquid chromatography
Agilent AdvanceBio glycan mapping

For charge variant analysis via ion exchange chromatography
Agilent Bio MAb and IEX

For aggregation analysis via size exclusion chromatography
Agilent AdvanceBio SEC column

Learn more

www.agilent.com/chem/end_uncertainty_SEC

Buy online

www.agilent.com/chem/store

Find a local Agilent customer center

www.agilent.com/chem/contactus

USA and Canada

1-800-227-9770

agilent_inquiries@agilent.com

Europe

info_agilent@agilent.com

Asia Pacific

inquiry_lsca@agilent.com

For Research Use Only. Not for use in diagnostic procedures.
This information is subject to change without notice.

© Agilent Technologies, Inc., 2015
Printed in the USA, December 1, 2015
5991-6212EN

Ordering information

Agilent AdvanceBio SEC HPLC Columns

The latest technology for SEC analysis of monoclonal antibodies, proteins, and peptides.

Description	130Å	300Å
Analytical columns		
4.6 x 300 mm, 2.7 µm	PL1580-5350	PL1580-5301
4.6 x 150 mm, 2.7 µm	PL1580-3350	PL1580-3301
7.8 x 300 mm, 2.7 µm	PL1180-5350	PL1180-5301
7.8 x 150 mm, 2.7 µm	PL1180-3350	PL1180-3301
Analytical guards		
4.6 x 50 mm, 2.7 µm	PL1580-1350	PL1580-1301
7.8 x 50 mm, 2.7 µm	PL1180-1350	PL1180-1301

Agilent AdvanceBio SEC protein standards

Uniquely designed for optimal calibration and performance verification of your Agilent SEC column.

Description	Size	Part Number
AdvanceBio SEC 130Å Protein Standard	1.5 mL vial	5190-9416
AdvanceBio SEC 300Å Protein Standard	1.5 mL vial	5190-9417



Agilent Technologies