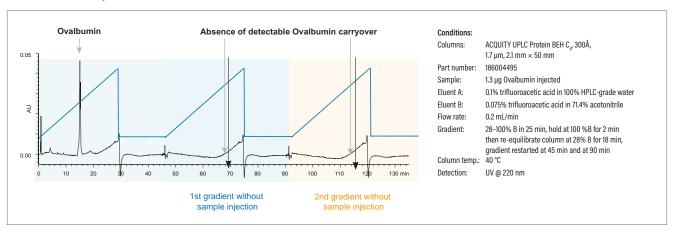
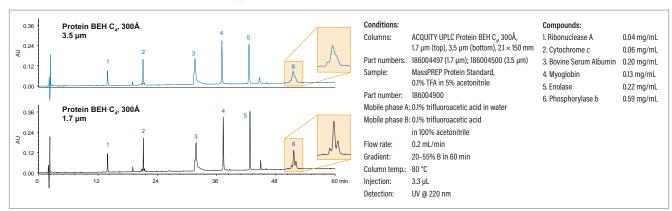
Minimal Protein Carryover



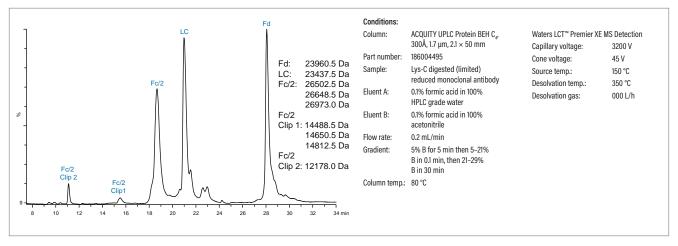
Column carryover was tested by running multiple gradients following a single injection. Protein peaks observed during the first gradient are not found in subsequent gradients.

Improved Protein Resolution with UPLC Technology



Two separations were performed, traditional and UPLC. The traditional separation used a Protein BEH C_4 300 $^{\rm A}$ Column packed with 3.5 μ m particles. The UPLC separation used a Protein BEH C_4 300 $^{\rm A}$ Column packed with 1.7 μ m particles. The UPLC separation evidences sharper peaks for all proteins in the test mixture. The multiple peaks around phosphorylase, at approximately 50 minutes, attest to this improved resolution. The comparison was performed fitting both columns onto a UPLC system, to preserve the minimized band broadening. The benefits of the small-particle UPLC BEH C_4 300 $^{\rm A}$ Column would be lost without the optimized ACQUITY UPLC System.

Protein BEH C₄, 300Å Columns for Protein Characterization with UPLC-MS



The large fragments obtained through LysC digestion of a monoclonal antibody can be separated on the ACQUITY UPLC Protein BEH C_{q} 300Å Column coupled directly to ESI/Tof MS for identification of the individual peptide products.

Note: ACQUITY UPLC Protein BEH $C_{u'}$ 300 Å, 1.7 μ m Columns are designed for use with the ACQUITY UPLC System. The benefits of the small-particle packing in ACQUITY UPLC Protein BEH $C_{u'}$ 300 Å, 1.7 μ m Columns are realized only with the low system volume and low detector dispersion of an ACQUITY UPLC System.