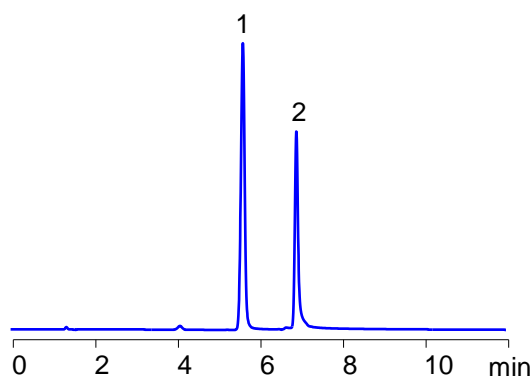
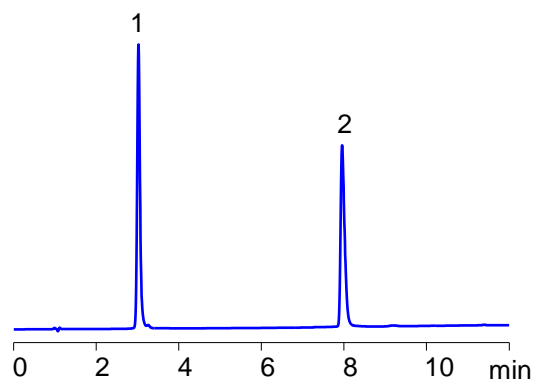


HPLC Separation of Ascorbic Acid and Ascorbic Acid-2-Phosphate in RP and HILIC Mixed-Mode



1. Ascorbic acid
2. Ascorbic acid-2-phosphate

Column: Amaze HD
Dimensions: 3.0x100 mm, 3 μ m, 100A
Mobile phase: from 85% ACN with 30 mM Ammonium Acetate pH 4 to 50% ACN with 10 mM Ammonium Acetate pH 4 in 10 min
Flow rate: 0.6 ml/min
Detection: 280 nm



Column: Amaze HA
Dimensions: 3.0x100 mm, 3 μ m, 100A
Mobile phase: from 10% ACN with 10 mM Ammonium phosphate pH 4 to 20% ACN with 120 mM Ammonium phosphate pH 4 in 10 min
Flow rate: 0.6 ml/min
Detection: 280 nm

Application Notes

Helix Chromatography has a unique and extensive portfolio of mixed-mode columns. Whether you want to explore reversed-phase mixed-mode or HILIC mixed-mode, we can offer you something very useful, versatile, and dependent. Mixed-mode columns are a much better tool than single-mode chromatography if you are analyzing complex compositions or drugs and metabolites and need MS and prep chromatography compatible conditions. The presence of at least two mechanisms of interaction will help you to pull apart closely eluting peaks, by simply adjusting one of the mechanisms of interaction. Amaze HD and Amaze HA are such columns. Explore reversed-phase, HILIC, cation-exchange, anion-exchange, cation-exclusion, and anion-exclusion mechanisms and see for yourself how mixed-mode chromatography can help you in your research. When in doubt about what to do, just email us (mail@helixchrom.com) your problem and we will give you a solution in just a couple of days. No projects are too big and complex, or too small and complex see for yourself at www.helixchrom.com.