

# Column Temperature Effect on mAb Separation on Reversed Phase Chromatography

Proteomix<sup>®</sup> RP-1000, 5  $\mu\text{m}$ , 1000  $\text{\AA}$ , 2.1 x150 mm

PN: 465950-2115



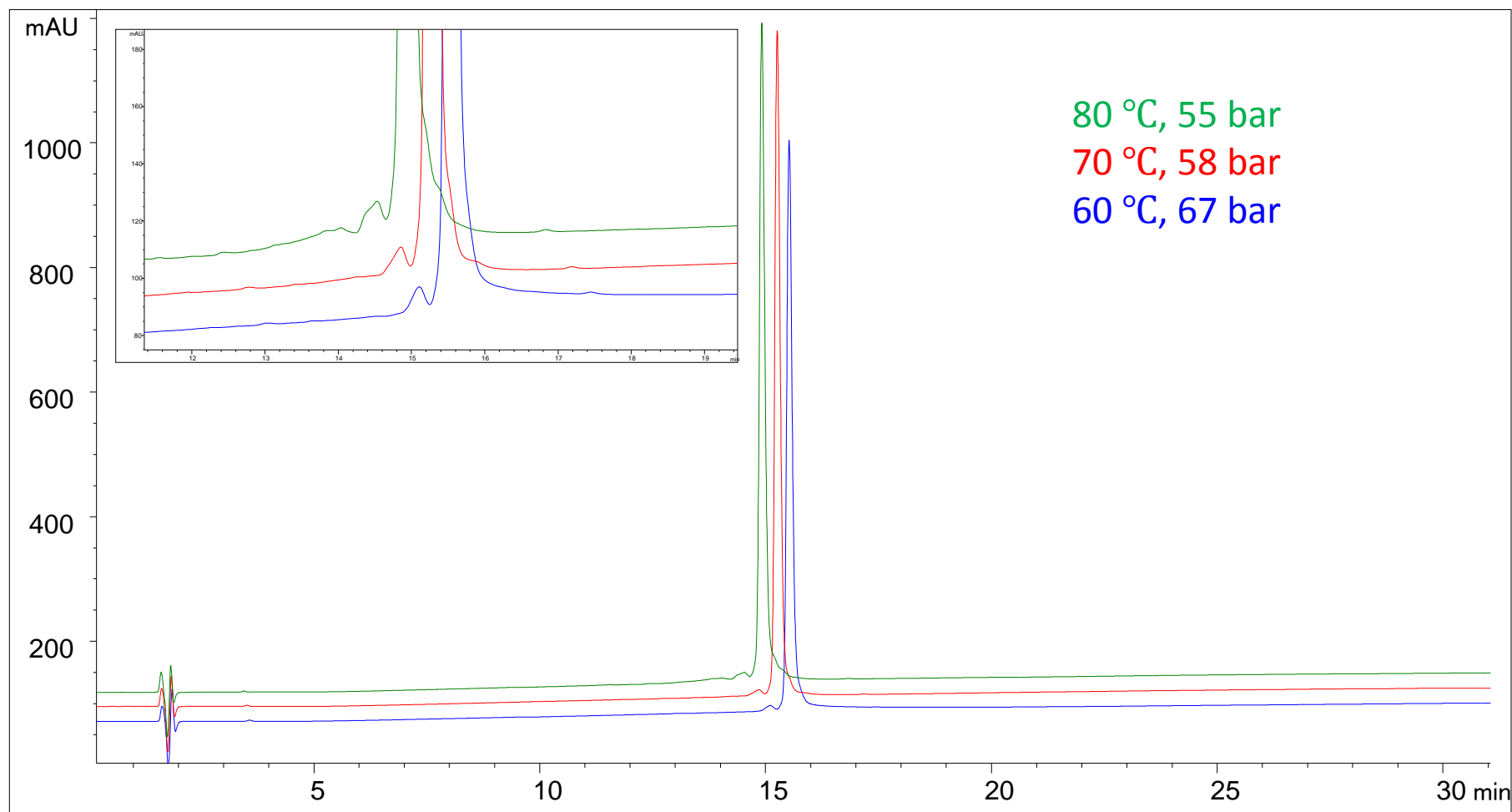
# Column Temperature Effect on Erbitux Separation by Proteomix<sup>®</sup> RP

Column: Proteomix<sup>®</sup> RP -1000, 5  $\mu\text{m}$ , 1000  $\text{\AA}$ , 2.1 x 150 mm

Mobile phase: A: H<sub>2</sub>O + 0.1% TFA, B: ACN + 0.1% TFA

Flow rate: 0.25 mL/min, 23- 70% B in 30 min; Detector: UV 214nm; Column temperature: 80, 70, 60  $^{\circ}\text{C}$

Injection volume: 2.5  $\mu\text{L}$ , Sample: Erbitux, 1mg/mL diluted with 0.1% TFA



# Column Temperature Effect on Erbitux Separation

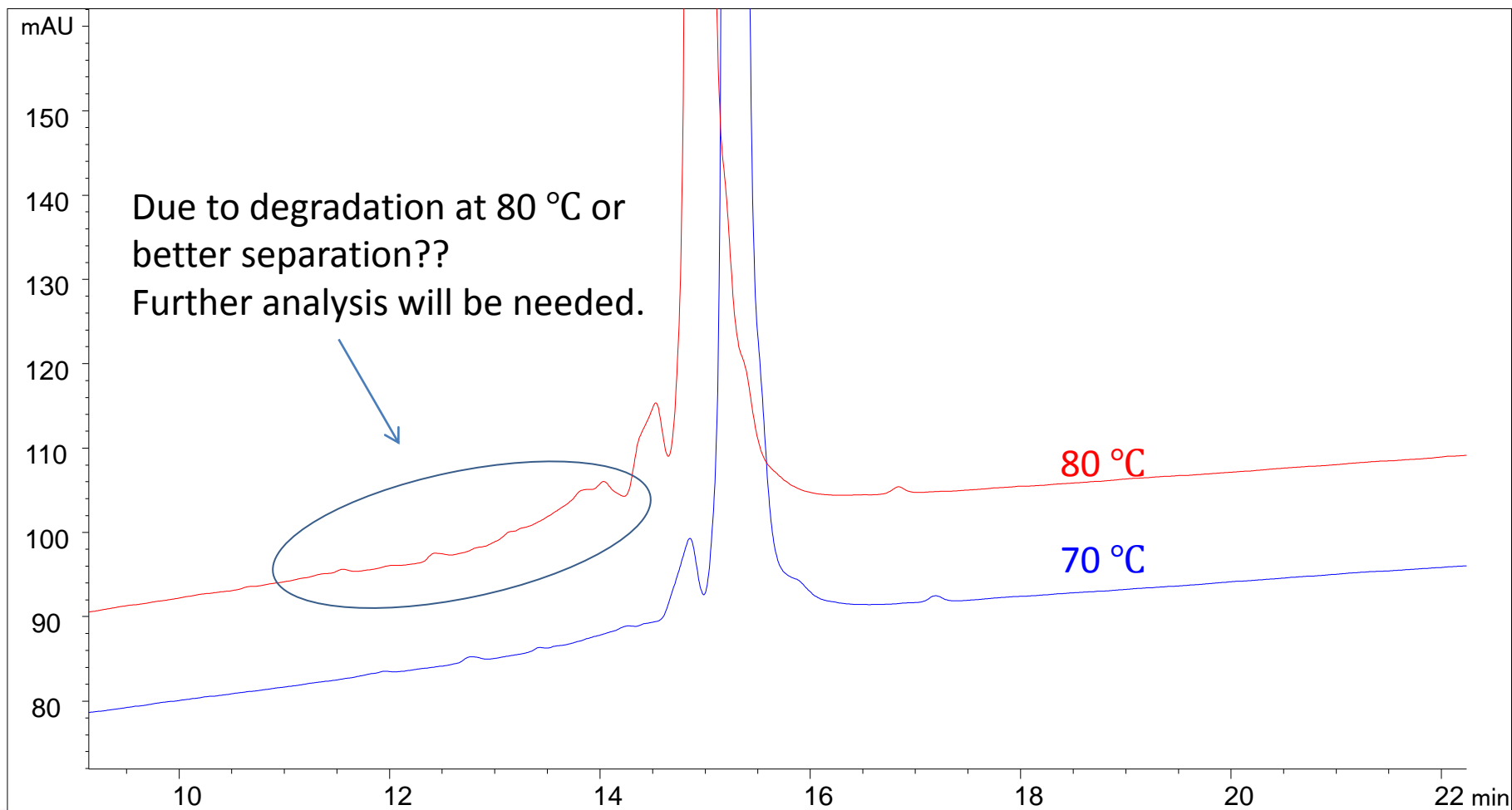
## by Proteomix<sup>®</sup> RP

Column: Proteomix<sup>®</sup> RP -1000, 5  $\mu$ m, 1000  $\text{\AA}$ , 2.1 x 150 mm

Mobile phase: A: H<sub>2</sub>O + 0.1% TFA, B: ACN + 0.1% TFA

Flow rate: 0.25 mL/min, 23- 70% B in 30 min; Detector: UV 214nm; Column temperature: 80, 70, 60  $^{\circ}$ C

Injection volume: 2.5  $\mu$ L, Sample: Erbitux, 1mg/mL diluted with 0.1% TFA



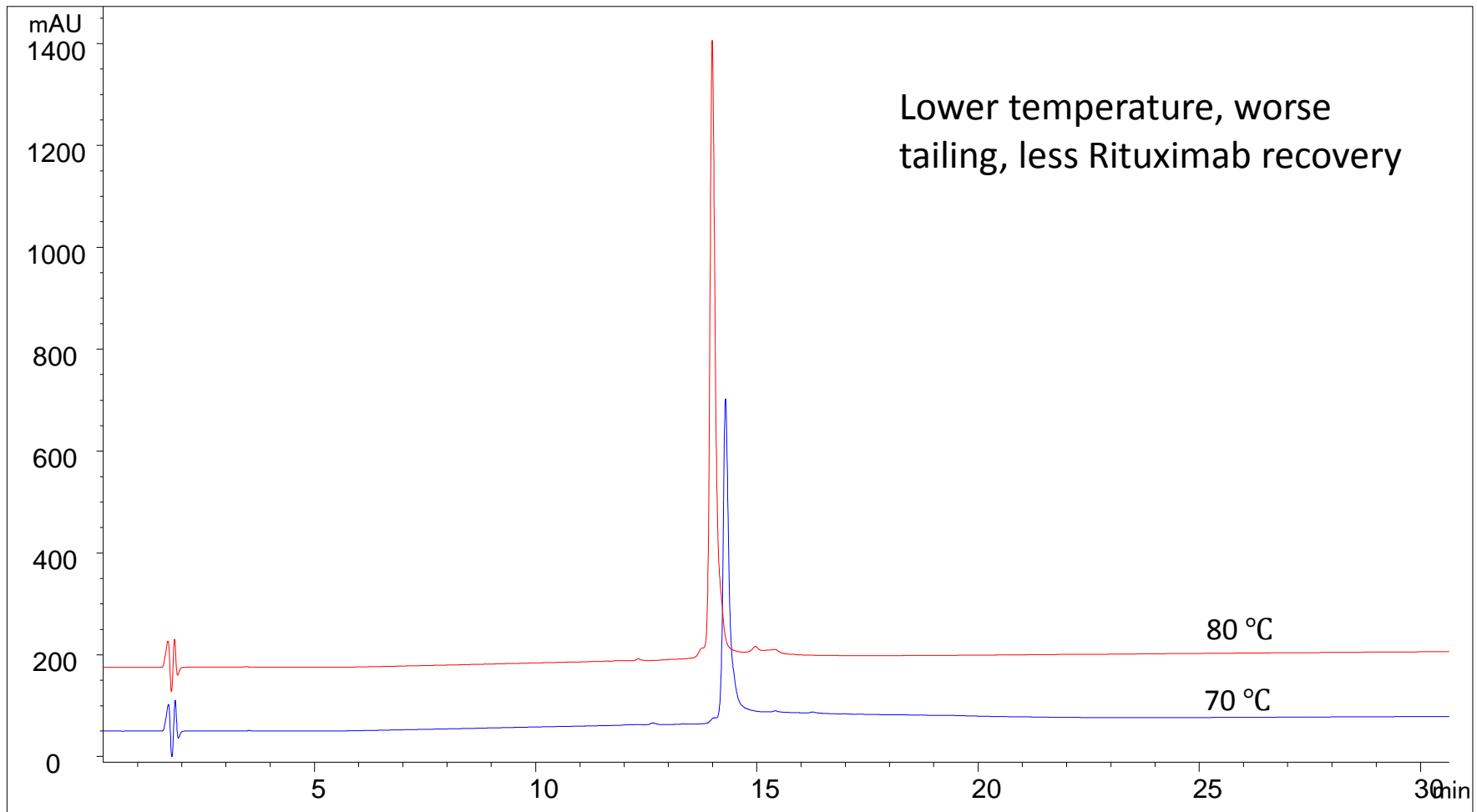
# Column Temperature Effect on Rituximab Separation by Proteomix<sup>®</sup> RP

Column: Proteomix<sup>®</sup> RP -1000, 5  $\mu\text{m}$ , 1000  $\text{\AA}$ , 2.1 x 150 mm

Mobile phase: A: H<sub>2</sub>O + 0.1% TFA, B: ACN + 0.1% TFA

Flow rate: 0.25 mL/min, 23- 70% B in 30 min; Detector: UV 214nm; Column temperature: 80, 70  $^{\circ}\text{C}$

Injection volume: 2.5  $\mu\text{L}$ , Sample: Rituximab, 1mg/mL diluted with 0.1% TFA



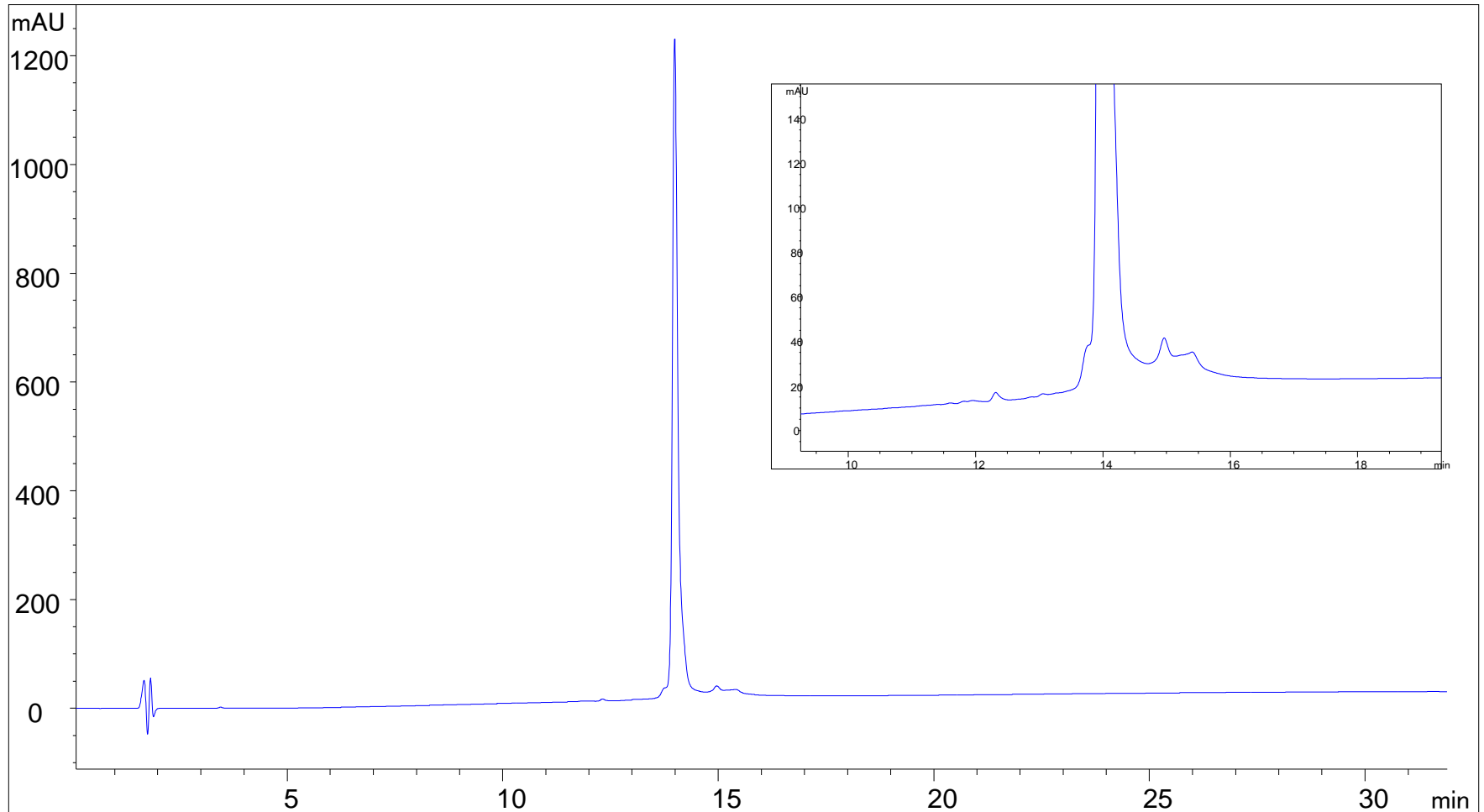
# Rituximab at 80°C

Column: Proteomix<sup>®</sup> RP -1000, 5 μm, 1000 Å, 2.1 x 150 mm

Mobile phase: A: H<sub>2</sub>O + 0.1% TFA, B: ACN + 0.1% TFA

Flow rate: 0.25 mL/min, 23- 70% B in 30 min; Detector: UV 214nm; Column temperature: 80°C

Injection volume: 2.5 μL, Sample: Rituximab, 1mg/mL diluted with 0.1% TFA



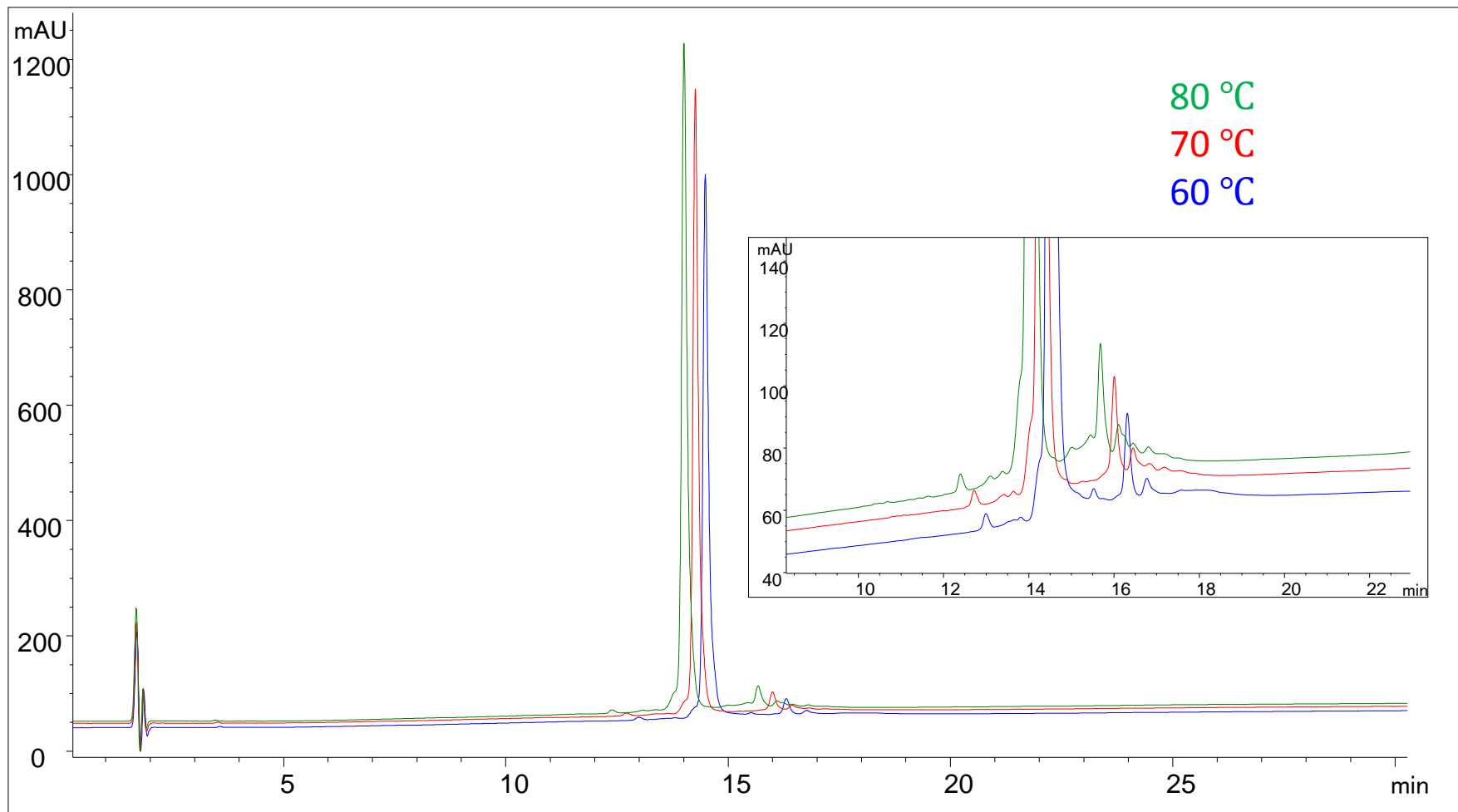
# Column Temperature Effect on mAb321 Separation by Proteomix<sup>®</sup> RP

Column: Proteomix<sup>®</sup> RP -1000, 5  $\mu\text{m}$ , 1000  $\text{\AA}$ , 2.1 x 150 mm

Mobile phase: A: H<sub>2</sub>O + 0.1% TFA, B: ACN + 0.1% TFA

Flow rate: 0.25 mL/min, 23- 70% B in 30 min; Detector: UV 214nm; Column temperature: 80, 70, 60  $^{\circ}\text{C}$

Injection volume: 2.5  $\mu\text{L}$ , Sample: mAb321, 1mg/mL diluted with 0.1% TFA



# mAb321/Erbitux/Rituximab at 80 °C

Column: Proteomix<sup>®</sup> RP -1000, 5 μm, 1000 Å, 2.1 x 150 mm

Mobile phase: A: H<sub>2</sub>O + 0.1% TFA, B: ACN + 0.1% TFA

Flow rate: 0.25 mL/min, 23- 70% B in 30 min; Detector: UV 214nm; Column temperature: 80 °C

Injection volume: 2.5 μL, Sample: monoclonal antibody, 1mg/mL diluted with 0.1% TFA

