

MAb IgG1 and IgG2 Charge Variants Separation by Narrow-bore (2.1 mm I.D.) SCX Column

IgG2: Vectibix (PanitumumAb)

IgG1: Erbitux (Cetuximab), Rituxan (Rituximab)

Proteomix SCX NP5, 5 μ m, 2.1x250 mm, PEEK
(PN: 401NP5P-2125)



Vectibix (PanitumumAb) IgG2 Charge Variants Separation

Proteomix SCX NP5 2.1x250 mm PEEK – pH Gradient

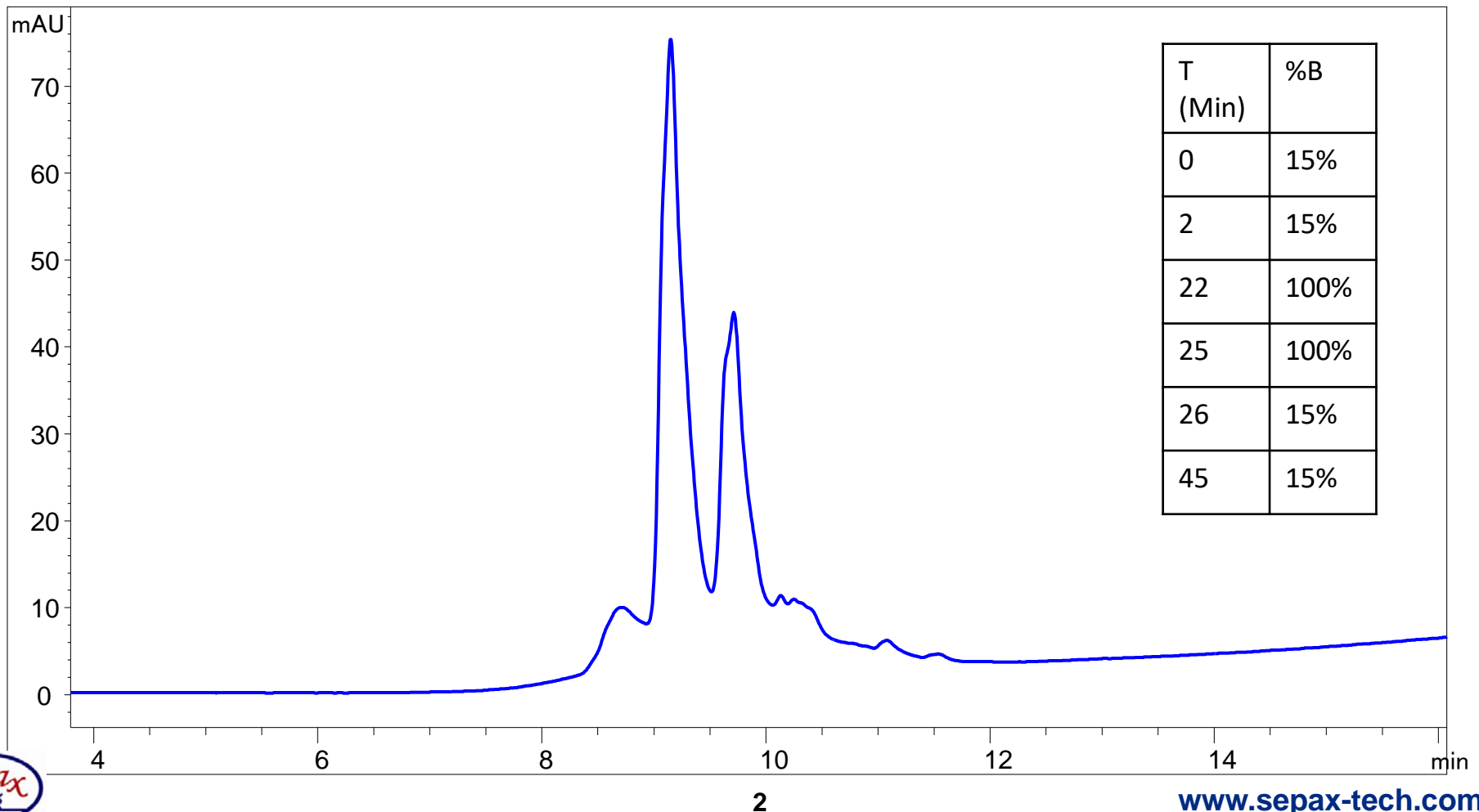
Column: Proteomix SCX NP5, 5 μ m, 2.1x250 mm, PEEK (PN: 401NP5P-2125)

Mobile Phase A: 16 mM MES, 10 mM MOPS, 12 mM TAPS, 10 mM CAPSO, 30 mM NaCl pH 5.6

Mobile Phase B: 10 mM MES, 12 mM MOPS, 14 mM TAPS, 16 mM CAPSO, 30 mM NaCl pH 10.2

Flow Rate: 0.3 mL/min; Detection: UV 280 nm; Temperature: 25°C;

Sample: Vectibix 10 mg/mL diluted with water from 20 mg/mL stock; Injection Volume: 1 μ L



Erbitux (Cetuximab) IgG1 Charge Variants Separation Proteomix SCX NP5 2.1x250 mm PEEK – pH Gradient

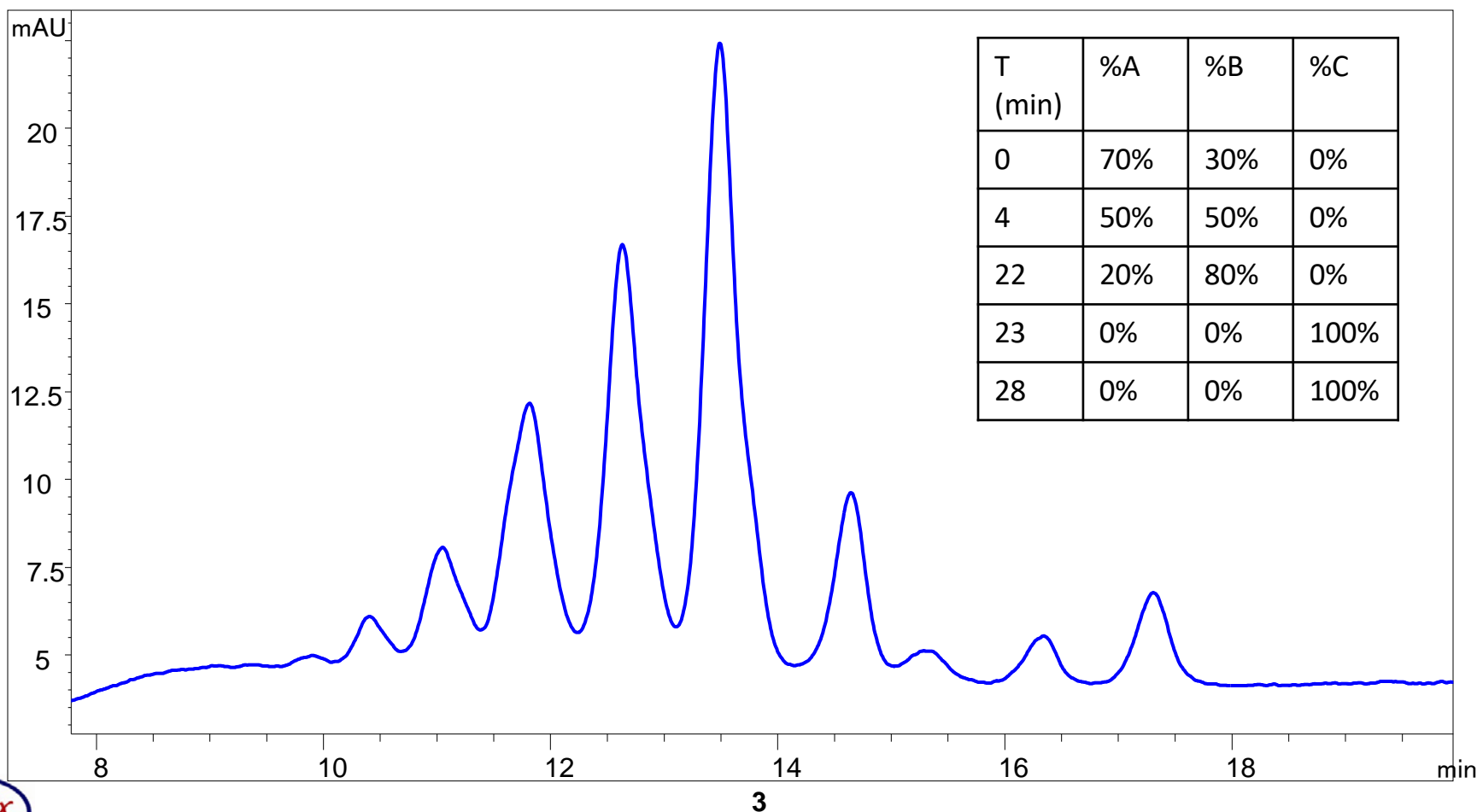
Column: Proteomix SCX NP5, 5 μ m, 2.1x250 mm, PEEK (PN: 401NP5P-2125)

Mobile phase A: 16 mM MES, 10 mM MOPS, 12 mM TAPS, 10 mM CAPSO, 30 mM NaCl, pH 5.6

Mobile phase B: 10 mM MES, 12 mM MOPS, 14 mM TAPS, 16 mM CAPSO, 30 mM NaCl, pH 10.2

Mobile phase C: B+1 M NaCl, Flow rate: 0.3 mL/min; Detector: UV 280 nm; Column temperature: 25°C

Injection volume: 3 μ L; Sample: 2 mg/mL Erbitux



- Salt Gradient vs pH Gradient

Column: Proteomix SCX NP5, 5 μ m, 2.1x250 mm, PEEK (PN: 401NP5P-2125)

Flow Rate: 0.3 mL/min; Detection: UV 280 nm; Temperature: 25°C;

Sample: Rituximab 10 mg/mL; Injection Volume: 1 μ L,

Salt Gradient: Mobile Phase A: 10 mM Sodium Phosphate pH 7.5,

Mobile Phase B: A + 1M NaCl

pH Gradient: Mobile phase A: 16 mM MES, 10 mM MOPS, 12 mM TAPS, 10 mM CAPSO, 30 mM NaCl, pH 5.6

Mobile phase B: 10 mM MES, 12 mM MOPS, 14 mM TAPS, 16 mM CAPSO, 30 mM NaCl, pH 10.2

Mobile phase C: B+1 M NaCl

