

# Sepax Proteomix<sup>®</sup> SAX IEX for Glycan and Carbohydrate separation

– part of your MAb workflow

## ***Feature Highlights:***

- Unprecedented high resolution
- Particle size choice of 1.7, 3, 5, 10  $\mu\text{m}$
- Non-porous particles with mono-dispersity and high capacity

## ***What it means to you:***

- More glycan isoforms separated
- Consistently performing columns from lot to lot

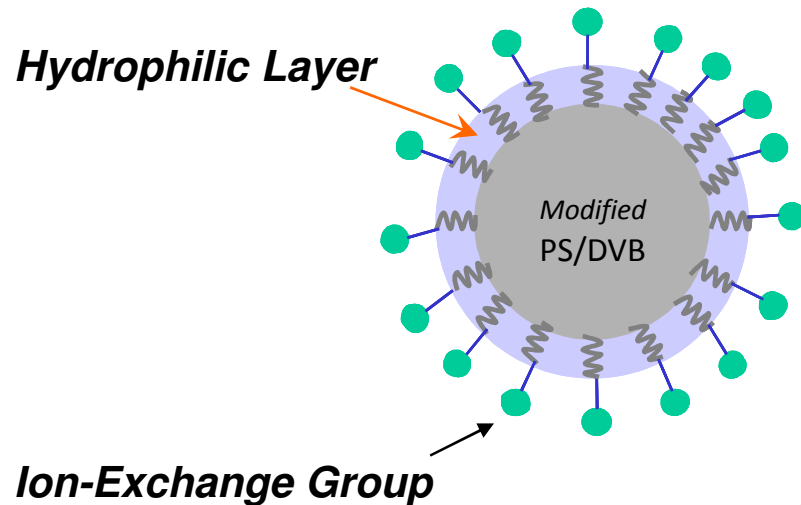


*"Better Surface Chemistry for Better Separation."*

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# Sepax Proteomix<sup>®</sup> Ion-exchange Stationary Phases

*New Technology for non-porous ion-exchange resins*



***Multiple ion-exchange groups  
on one anchoring site***

## *Results from the Surface Chemistry*

- Uniform coating
- Elimination of non-specific interaction
- Controlled and Increased capacity

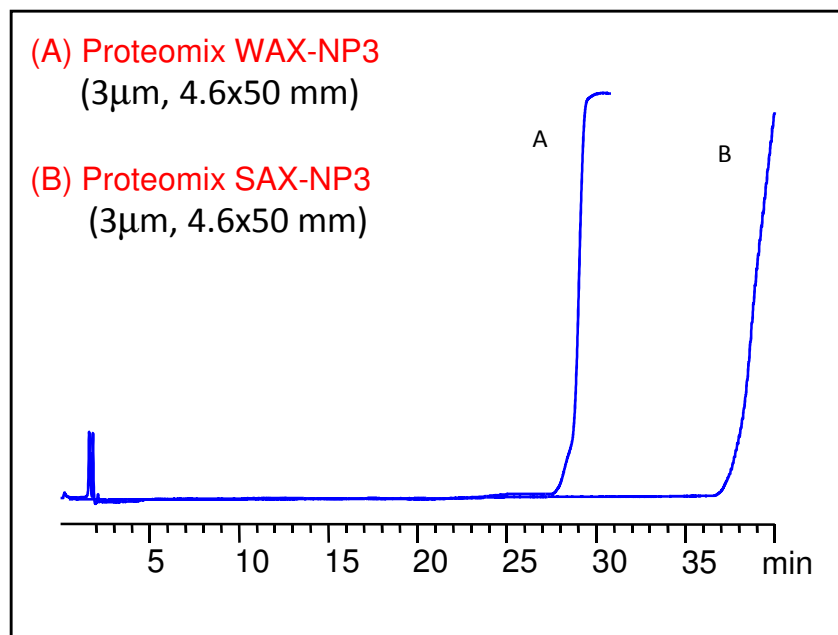


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# High Capacity of Non-porous Ion-exchange Resins

Dynamic Binding Capacity of Proteomix<sup>®</sup> SAX and WAX



Test conditions:

10 mM Tris/HCl pH 8.0

3 mg/mL BSA

Flow rate: 0.25 mL/min

Detection: 280 nm

Packings	Particle ( $\mu$ m)	SA (m <sup>2</sup> )	Capacity (mg/mL)
<i>Proteomix</i>			
SAX-NP1.7	1.7	NP	43
SAX-NP3	3	NP	35
SAX-NP5	5	NP	28
SAX-NP10	10	NP	17.5
WAX-NP1.7	1.7	NP	35
WAX-NP3	3	NP	26

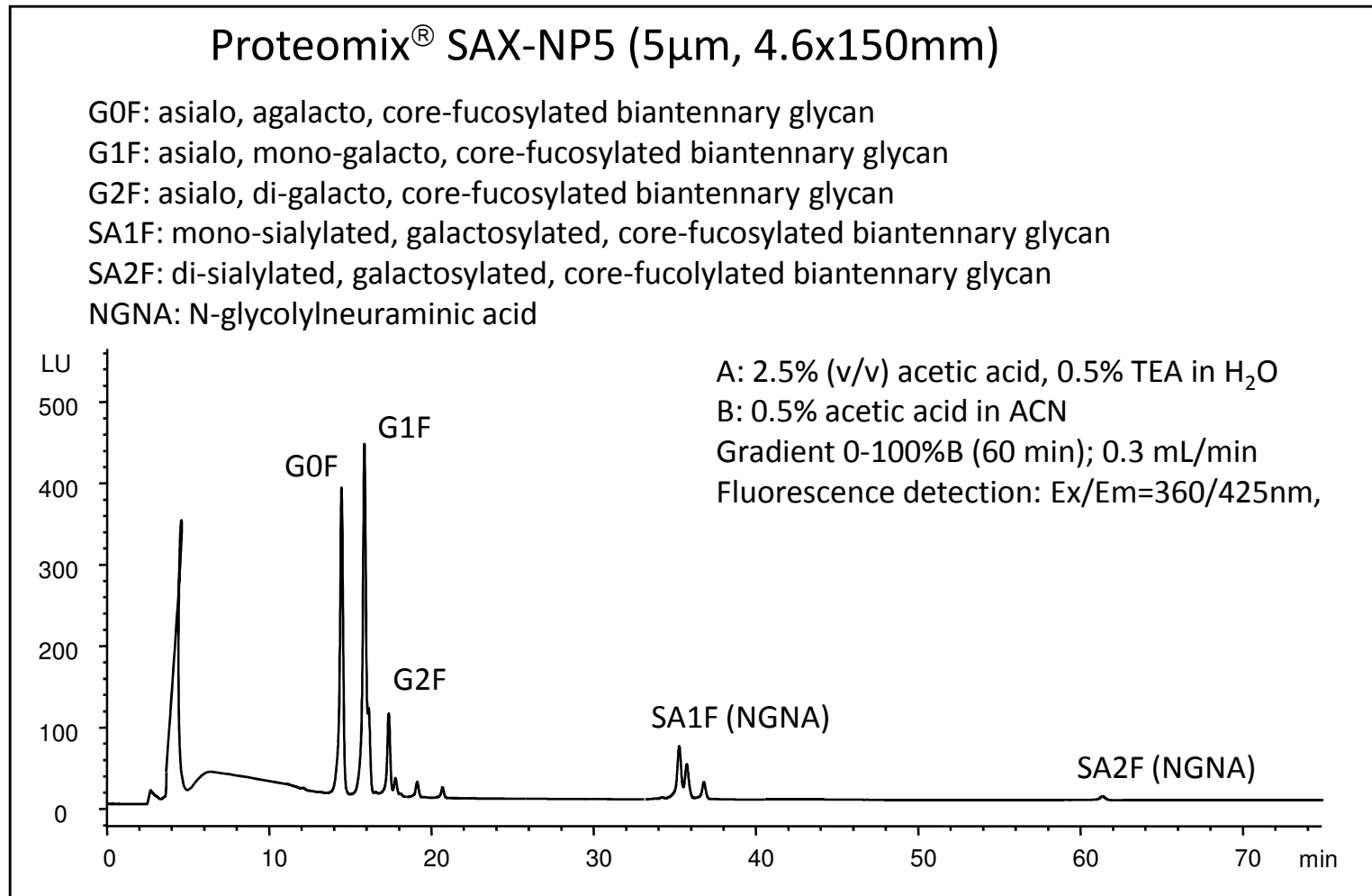


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# High Resolution Separation of Glycan and Isomers

*2-AA (anthranilic acid) labeled N-linked oligosaccharide profiling of an IgG1 sample*

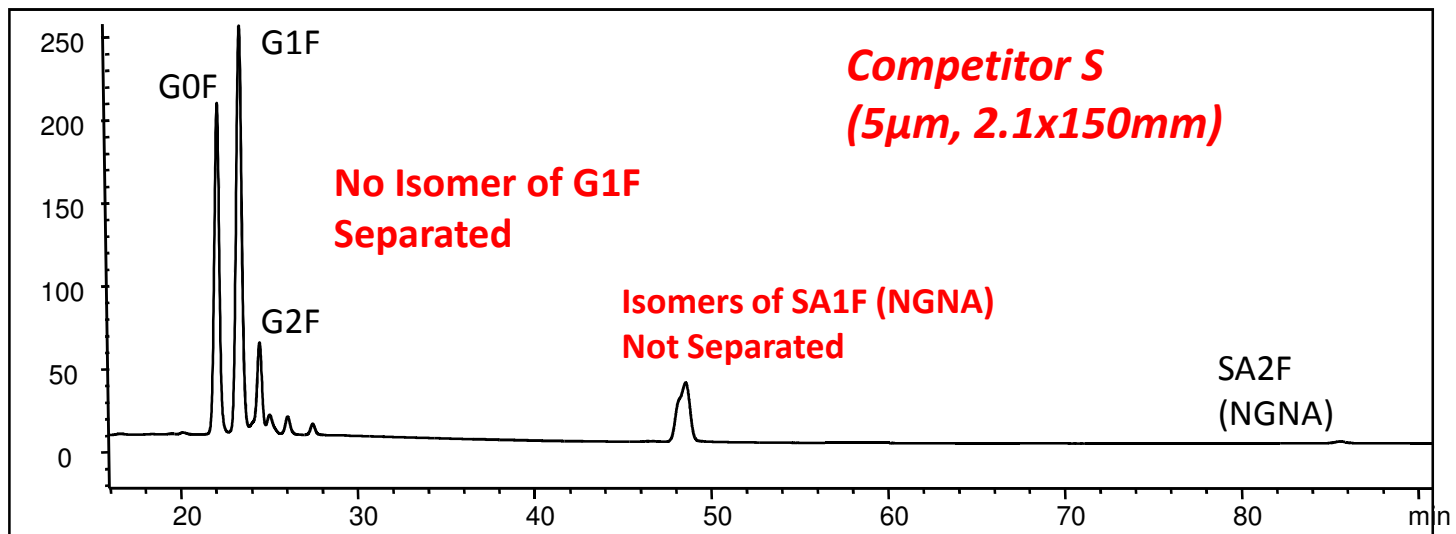
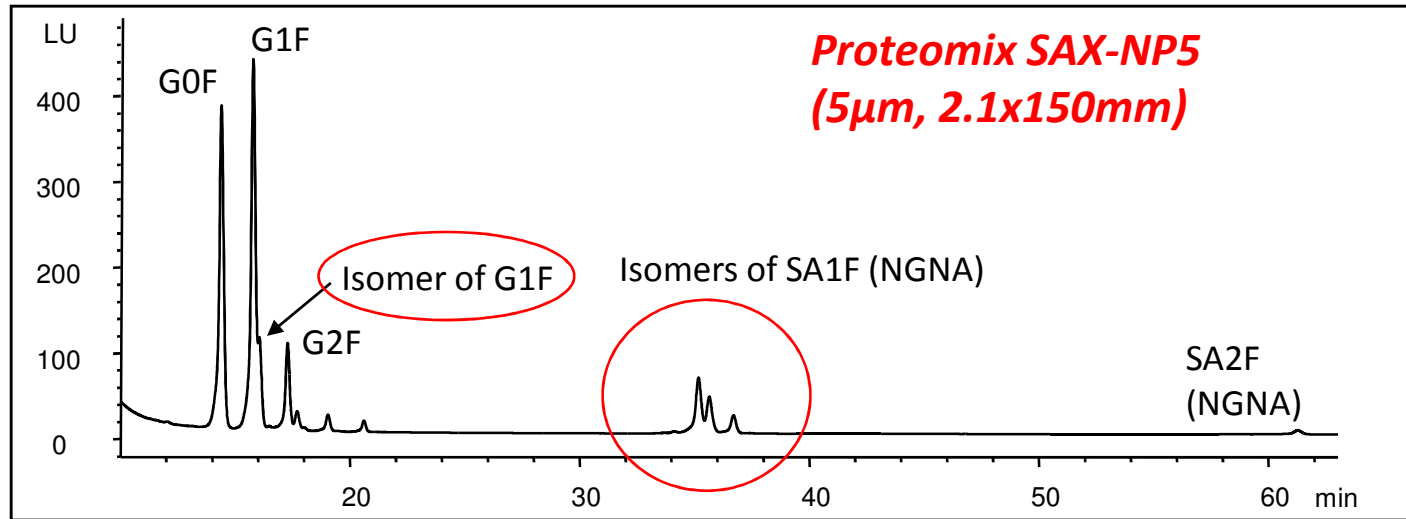


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# Comparison Separation of Glycan and Isomers

*2-AA labeled N-linked oligosaccharides profiling of an IgG1 sample*



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