

POROS™ MabCapture™ A Select Chromatography Resin

Leading the way in Protein A productivity

A novel approach to Protein A capture chromatography to help decrease cost of manufacturing

POROS MabCapture A Select (MCAS) is a new high throughput, lower priced Protein A chromatography resin, combining past improvements made for our existing MabCapture A product with our own self-produced recombinant Protein A (rPA) ligand. This enables the same high throughput purification performance at a significant reduction in price over most Protein A chromatography resins. POROS MabCapture A Select resin features a rPA ligand, produced in yeast and manufactured by Thermo Fisher Scientific. Today, the large majority of rPA comes from a single vendor. Thus, having a new and different source of rPA helps reduce supply risk for customers and allows for better control of the resin supply chain.

POROS MabCapture A Select chromatography resin enables you to:

- **Maintain high dynamic binding capacity** at flow rates over 1000 cm/hr
- **Design processes with greater flexibility** (shorter bed heights, faster flow rates, more cycling)
- **Recognize major increases** to process productivity and reduce the downstream bottleneck
- **Reduce unit operation time** requirements and COG for early phase processes
- **Reduce risk** with second source of Protein A ligand

To learn more, go to
thermofisher.com/mcas

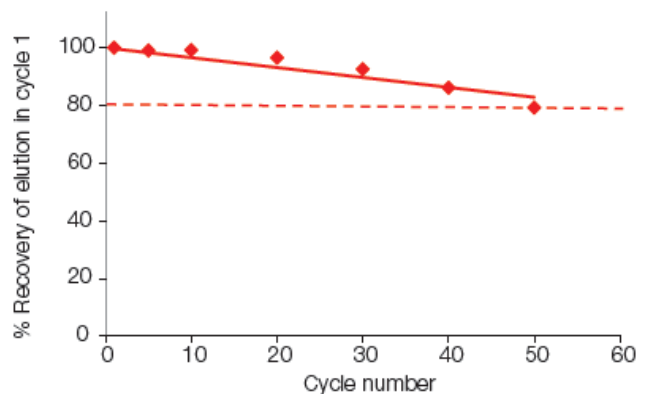


Figure 1: High pH stability and column lifetime of POROS MabCapture A Select

The capacity of the resin only slightly decreased after exposure to a clean-in-place cycle of 0.1 N sodium hydroxide for 30 minutes, for up to 50 sanitation cycles. This data show shows the reuse capability of the resin is quite robust. This is also considered a conservative study since most processes do not utilize a 30-minute hydroxide step after every cycle.

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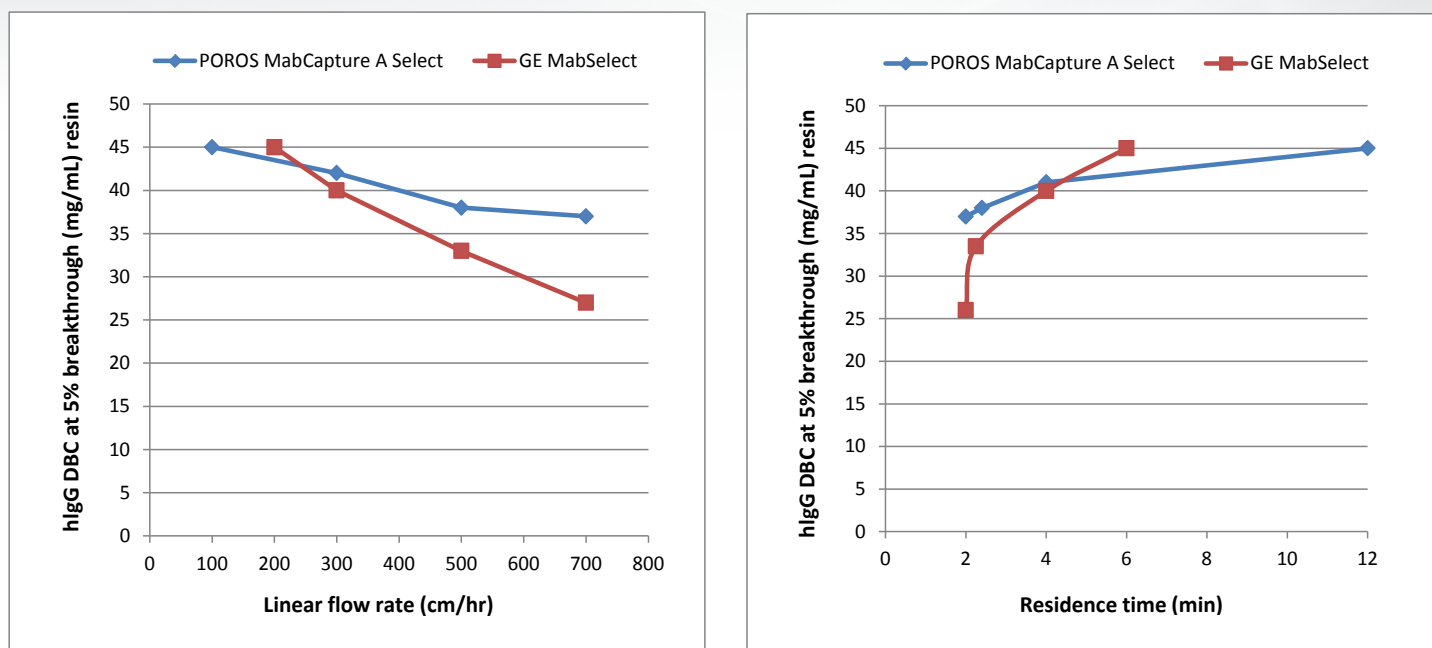


Figure 2: Performance of POROS MabCapture A resin as a function of flow rate and residence time. The high dynamic binding capacity of POROS MabCapture A Select resin is maintained as the linear flow rate increases over a 3-fold range. Only a 6 mg/mL or 12% decay is realized compared to an agarose resin like GE MabSelect™ resin, which realizes a 21 mg/mL or 45% decay in dynamic binding capacity over a more limited flow rate range. POROS MabCapture A Select resin also demonstrates higher dynamic binding capacity that is nearly independent of the residence time.

Ordering information

Description	Size	Part Number
Bulk Resin		
POROS MabCapture A Select	10 mL	A26455
POROS MabCapture A Select	50 mL	A26456
POROS MabCapture A Select	250 mL	A26457
POROS MabCapture A Select	1000 mL	A26458
POROS MabCapture A Select	5000 mL	A26459
POROS MabCapture A Select	10000 mL	A26460
Pre-Packed Columns		
POROS GoPure MabCapture A Select	1.2cmD/5cmL	A26464
POROS GoPure MabCapture A Select	1.2cmD/10cmL	A26465
POROS GoPure MabCapture A Select	1.2cmD/15cmL	A26466
POROS GoPure MabCapture A Select	1.2cmD/20cmL	A26468