High Capacity High Throughput

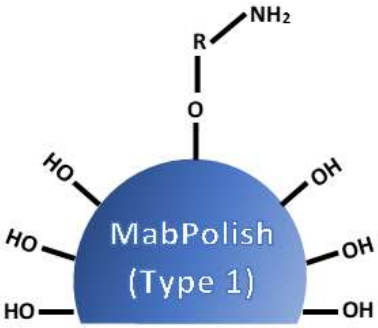
Accelerating Your Purification Process

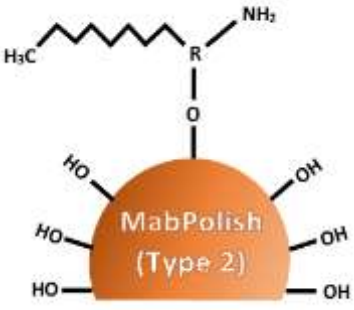
Non-Capture Antibody Purification (NCAP) Technology

BioToolomics has developed special chromatography resins tailored for the purification of monoclonal antibodies (mAb) at bioprocessing scales (with regulatory support files). They are designed to operate in flow-through mode to remove impurities without using affinity resins. A mAb purification process based on BioToolomics NCAP resins could be more efficient and cost-effective than conventional Protein-A based processes. Alternatively, they could be used for post-Protein A cleaning up of host cell proteins.

MabPolish™

MabPolish Type I and Type II are a group of special mixed mode resins showing high binding capacity to host cell proteins (HCP) with little binding to mAbs.

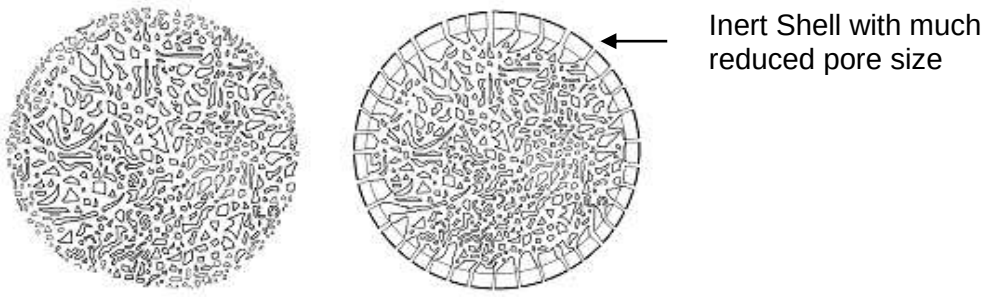


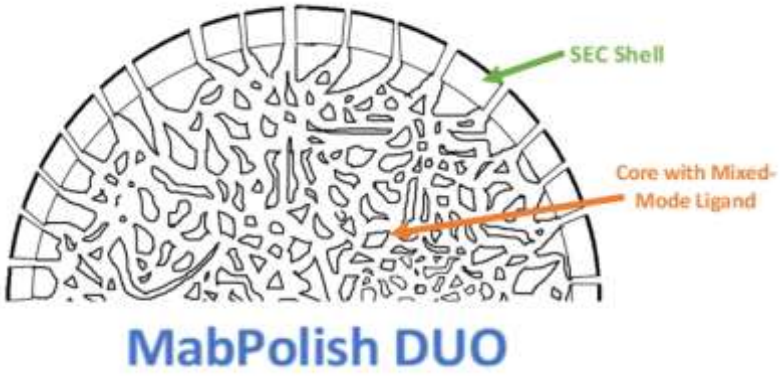


	Application Guide
MabPolish™ Type I	Anion mixed-mode resin with very mild hydrophobicity. It can remove high level of HCPs at pH 4 to 5 and salt concentration up to 0.15 M.
MabPolish™ Type II	This resin is designed to remove high molecular antibody aggregates at pH 4 to 5.

MabPolish™ DUO

MabPolish DUO is a class of novel resins with inert shell in the outer-layer of the bead (see the diagram below). The shell has size-exclusion effect that blocks molecules based on their molecular weights. Impurities smaller than a mAb can penetrate the shell and then be captured by the mixed-mode ligand inside the bead. It is a very gentle method with little loss of product.

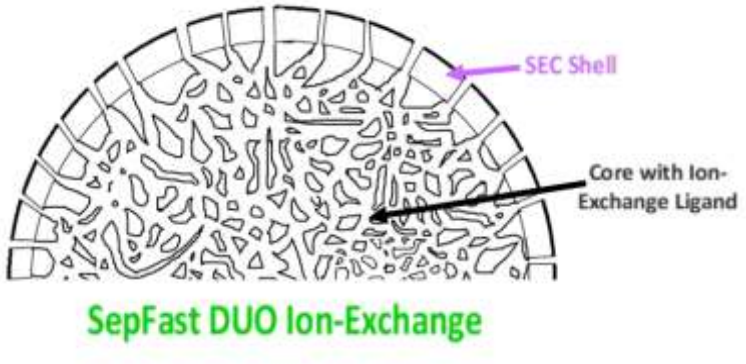




	Key Features	**Application Guide**
MabPolish™ DUO 150A	Shelled **anion** mixed-mode resin. The shell of 150A can block molecules of 150 KDa.	Flow-through mode to capture impurities smaller than IgGs at a wide range of pH and conductivity.
MabPolish™ DUO 150C	Shelled **cation** mixed-mode resin. The shell of 150C can block molecules of 150 KDa.	

SepFast™ DUO

SepFast DUO is a class of novel ion-exchange resins with inert shell in the outer-layer of the bead (see the diagram above). The shell has size-exclusion effect that blocks molecules based on their molecular weights. Impurities smaller than a mAb can penetrate the shell and then be captured by the charged groups inside the bead. It is a very gentle method with little loss of product.



	Key Features	**Application Guide**
SepFast™ DUO 150 Q	Shelled strong **anion-exchange** resin. The shell of 150 Q can block molecules of 150 KDa.	Flow-through mode to capture impurities smaller than IgGs based on charges.
SepFast™ DUO 150 S	Shelled strong **cation-exchange** resin. The shell of 150 S can block molecules of 150 KDa.	

Please contact us (info@biotoolomics.com) for further information.