

Guide to bioprocess chromatography resins, membranes, and fibers

For process development and biomanufacturing



Click on the chromatography method you are interested in to jump to the corresponding selection guide.

AC

Affinity chromatography for antibodies

AC

Affinity chromatography for other molecules

MM

Multimodal (mixed-mode) chromatography

IEX

Ion exchange chromatography for mAbs and other proteins

IEX

Ion exchange chromatography for viruses, vesicles, and oligonucleotides

HIC

Hydrophobic interaction chromatography

Prepacked formats for resins and fiber units

PreDicator™ plates	PreDicator RoboColumn	HiTrap™	HiScreen™	Validation columns, f(x) columns, and HiScale™ 10/40	ReadyToProcess™ columns Bed heights: 100 to 250 mm							
2 to 50 µL	50 to 600 µL	0.4 mL 1 and 5 mL	3.75 mL 4.7 mL	ø 10 mm	ø 80 mm, 1 L*	ø 126 mm, 2.5 L*	ø 178 mm, 5 L*	ø 251 mm, 10 L*	ø 359 mm, 20 L*	ø 450 mm, 32 L*	ø 600 mm, 57 L*	
Screen												
Set process ranges												
Verify and validate					Scale-up and GMP manufacturing							

* At 20 cm bed height

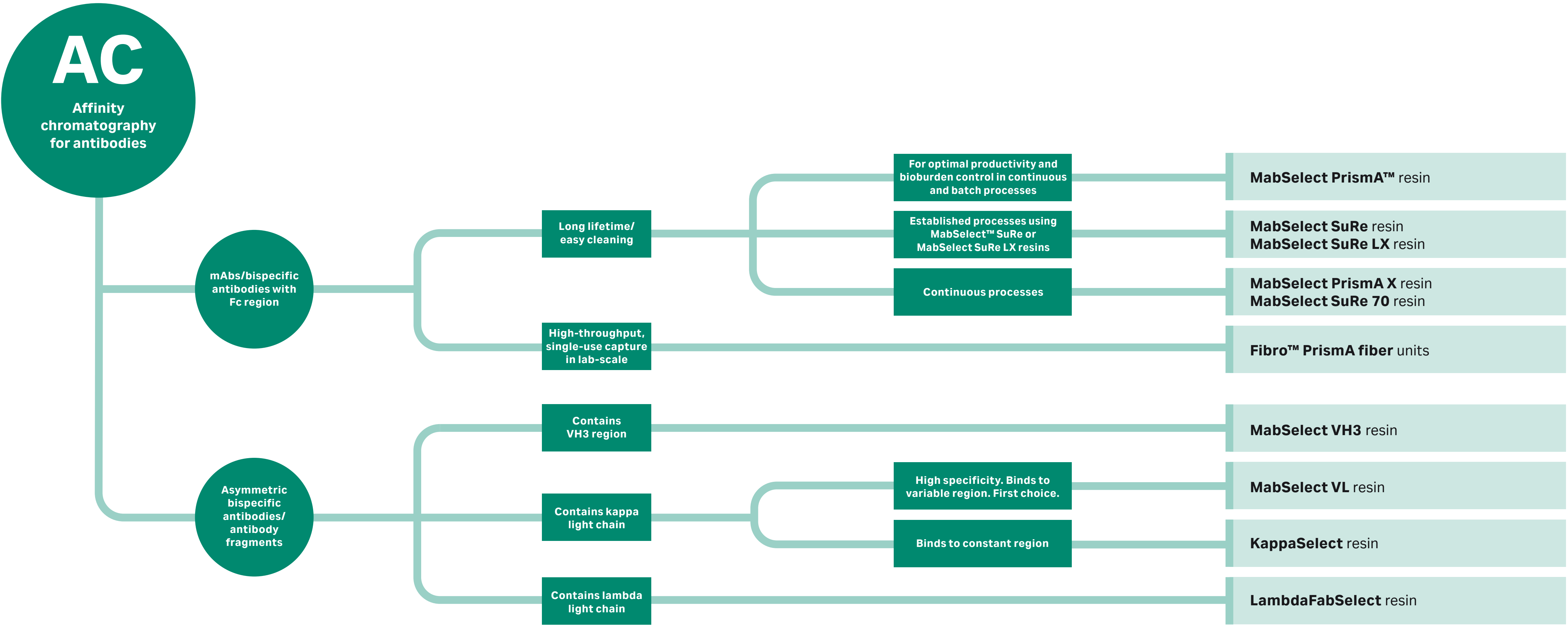
Formats for membrane adsorbers

AcroPrep™ Advance Filter Plates	XT Acrodisc™ capsules	Mustang XT membrane capsules (reusable)				AcroPrep Advance Filter Plates	XT Acrodisc/ Acrodisc capsules	Mustang membrane capsules (single-use)			
0.86 mL	XT5 5 mL	XT40 40 mL	XT140 140 mL	XT450 450 mL	XT5000 5000 mL	0.86 mL* 0.12 mL†	10 mL	60 mL* 40 mL†	260 mL* 160 mL†	520 mL* 320 mL†	780 mL* 480 mL†
Screen						Screen					
Scale-up and manufacturing						Scale-up and manufacturing					

* For Mustang capsules containing membrane with Q or S ligands
† For Mustang capsules containing membrane with E ligand

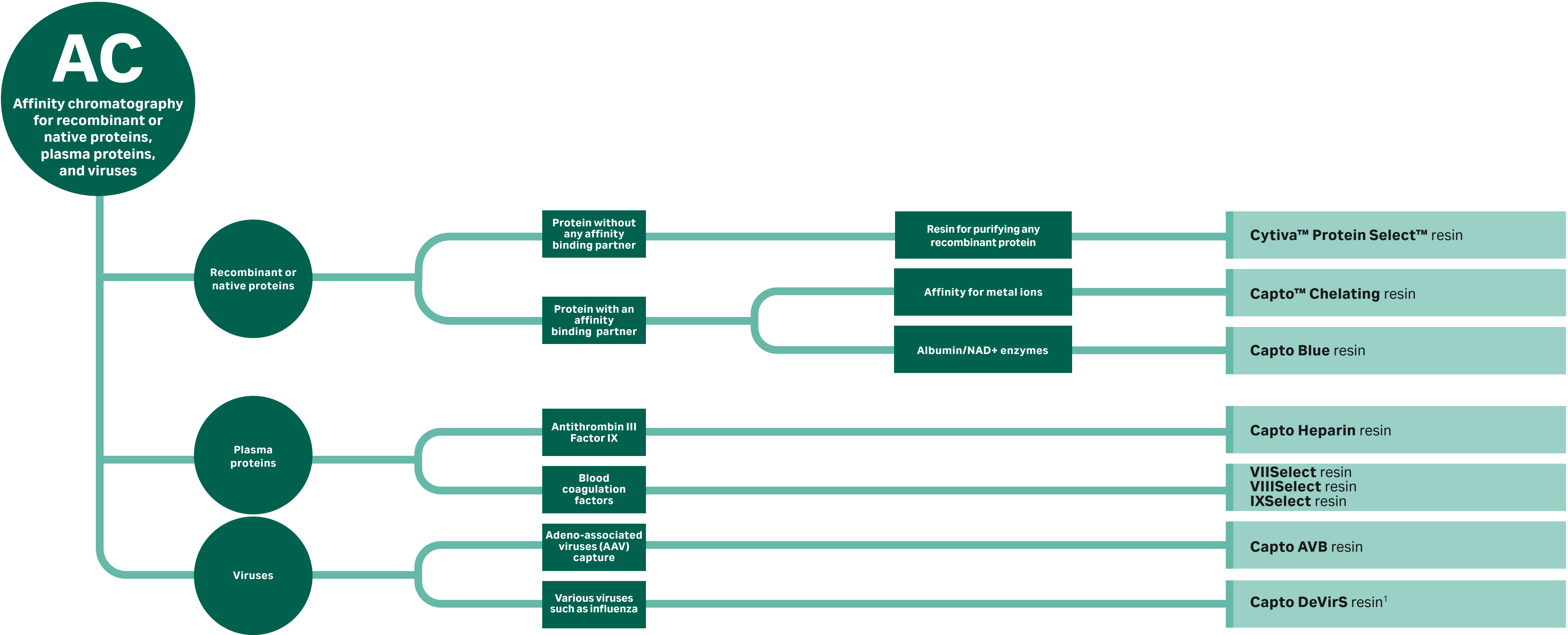
Affinity chromatography for antibodies

Click on the product names to be directed to the corresponding web page.



Affinity chromatography for recombinant or native proteins, plasma proteins, and viruses

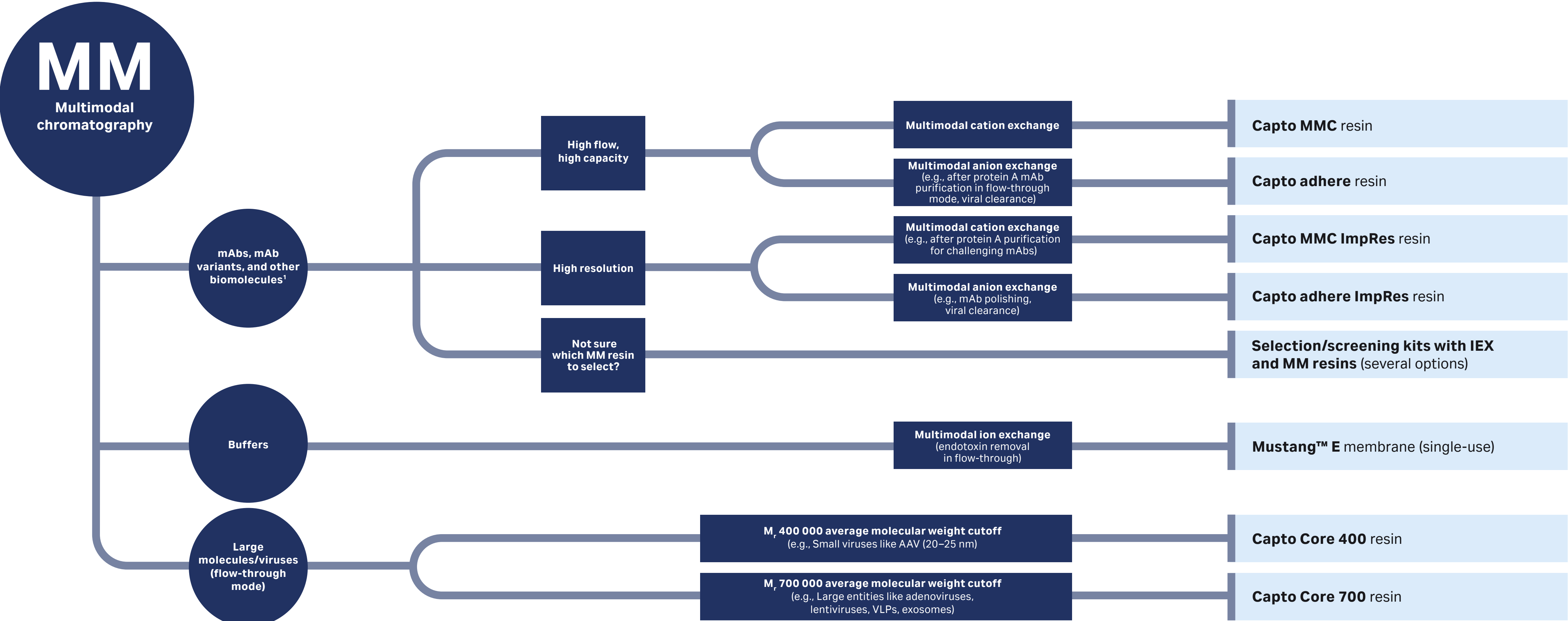
Click on the product names to be directed to the corresponding web page.



¹ This resin has a dextran sulfate ligand with an affinity-like behavior for several virus types.

Multimodal (mixed-mode) chromatography

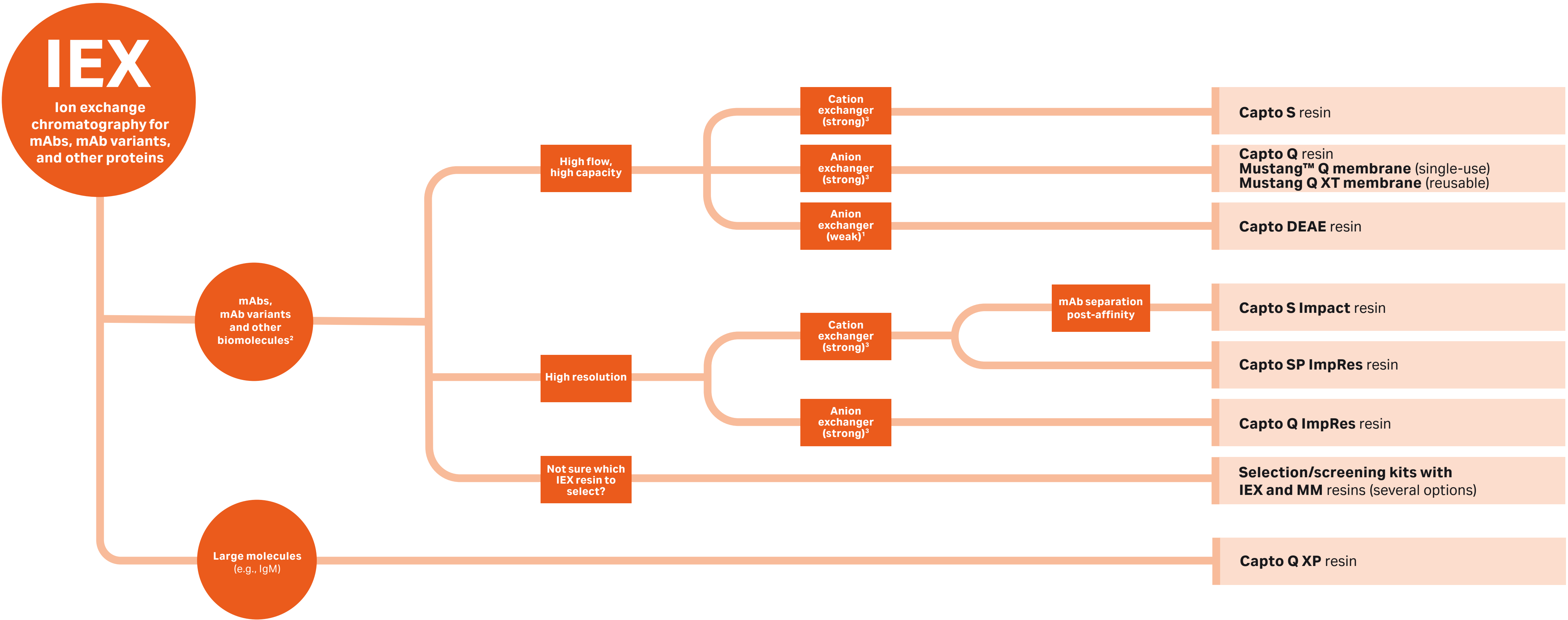
Click on the product names to be directed to the corresponding web page.



¹ For example, oligonucleotides, peptides, other recombinant proteins, protein complexes.
VLP = Virus-like particles
AAV = Adeno associated virus

Ion exchange chromatography for mAbs, mAb variants, and other proteins

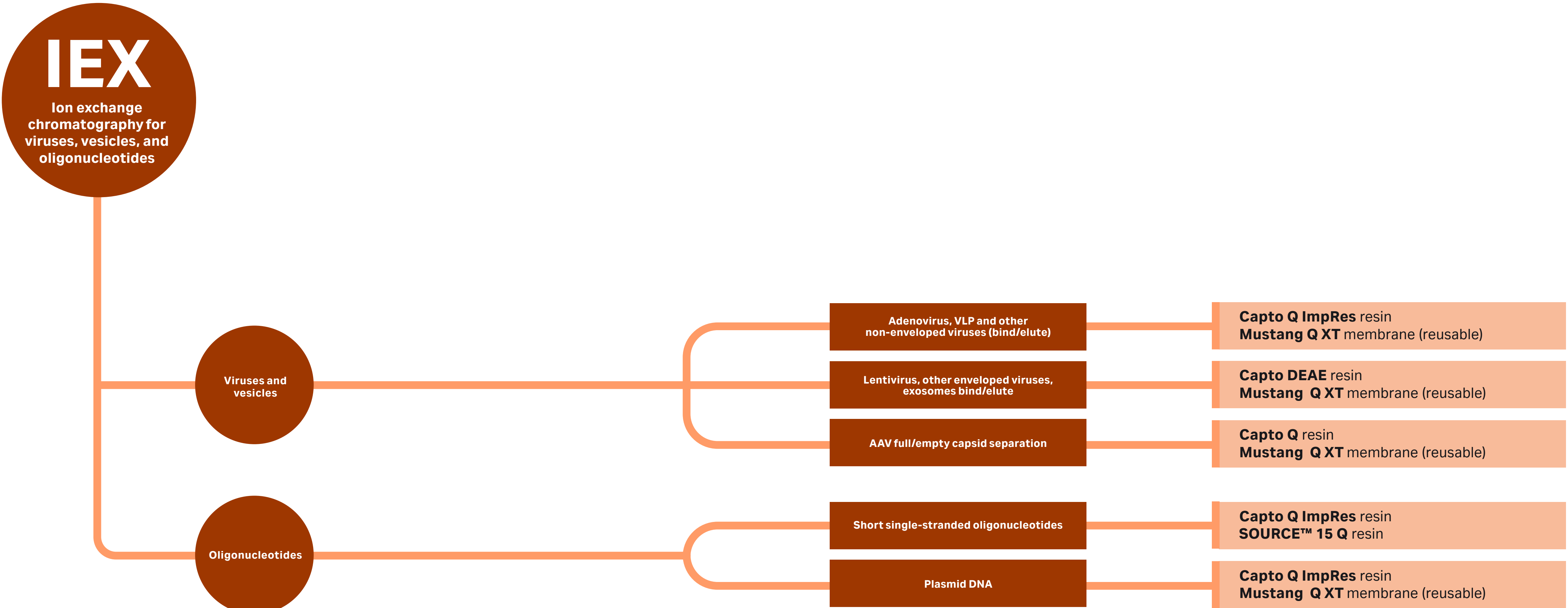
Click on the product names to be directed to the corresponding web page.



¹ When selectivity is unsatisfactory with Capto Q. Indeed, weak ion exchangers can offer different selectivity than strong ion exchangers.
² For example, peptides, other recombinant proteins, protein complexes.
³ The terms strong and weak do not refer to the strength with which the functional groups bind to proteins. Strong ion exchangers show no variation in ion exchange capacity with change in pH.

Ion exchange chromatography for viruses, vesicles, and oligonucleotides

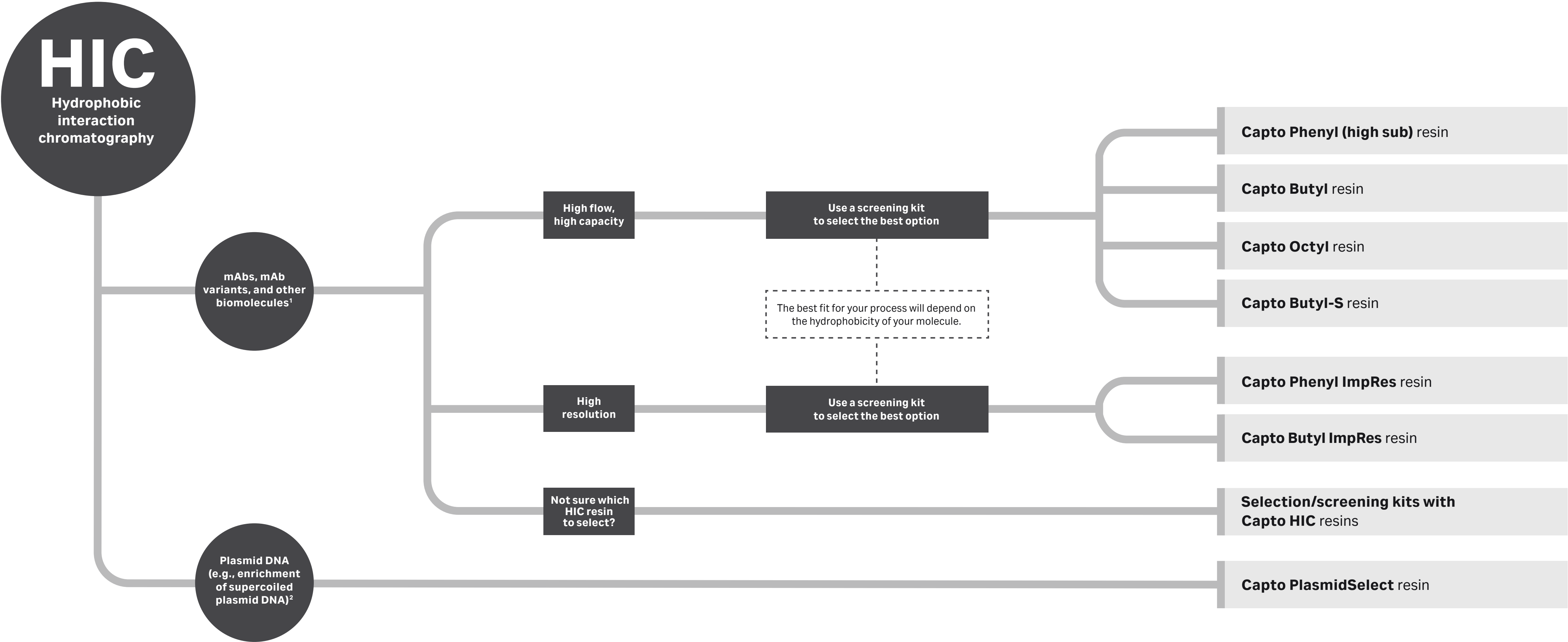
Click on the product names to be directed to the corresponding web page.



VLP = Virus like particles
AAV = Adeno associated virus

Hydrophobic interaction chromatography

Click on the product names to be directed to the corresponding web page.



¹ For example, oligonucleotides, peptides, other recombinant proteins, protein complexes.

² Thiophilic aromatic adsorption.

cytiva.com/chromatography

Cytiva and the Drop logo are trademarks of Life Sciences IP Holdings Corporation or an affiliate doing business as Cytiva. Acrodisc, AcroPrep, Capto, Fibro, HiTrap, HiScale, HiScreen MabSelect, MabSelect Prisma, Mustang, PreDictor, Protein Select, ReadyToProcess, and SOURCE are trademarks of Global Life Sciences Solutions USA LLC or an affiliate doing business as Cytiva. RoboColumn is a trademark of Repligen GmbH.

The Danaher trademark is a proprietary mark of Danaher Corporation.

Any other third-party trademarks are the property of their respective owners.

© 2021–2025 Cytiva

For local office contact information, visit cytiva.com/contact

CY27100-03Jul25-BR

Additional resins are available, including resins for size exclusion chromatography. Browse the full portfolio at **cytiva.com/chromatography**

