



Vivapure Protein A Mini spin columns
for antibody purification

Effective antibody purification using Protein A

Vivapure® Protein A Mini spin columns offer a rapid and convenient way to purify antibodies in only a few centrifugal steps.

They are based on an innovative and powerful membrane technology: Protein A coupled to a proprietary membrane.

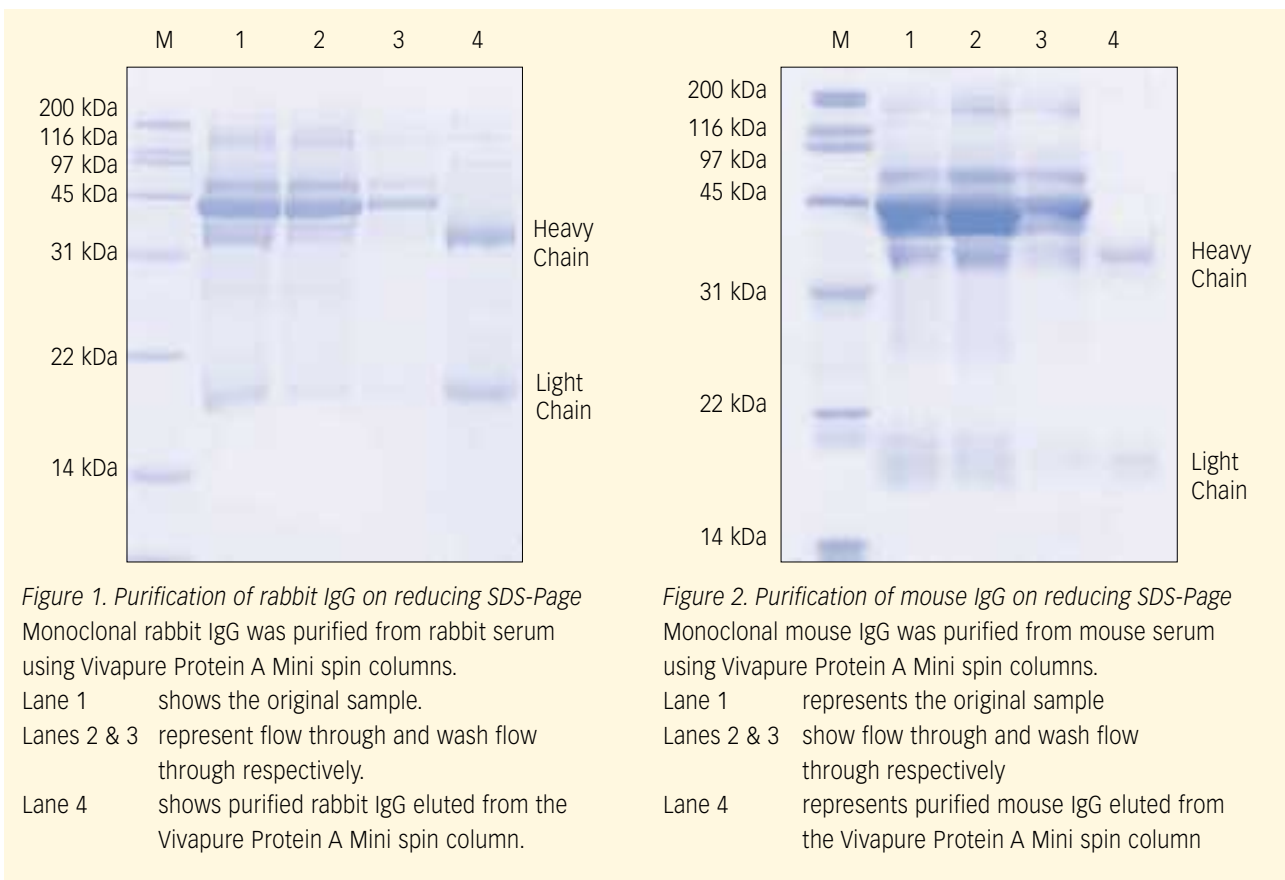
Protein A is a component of the cell wall of the bacterium *Staphylococcus aureus* and specifically binds to the Fc-region of various immunoglobulins (Ig).

Protein A affinity to different IgGs

Species	Protein A affinity	Species/Isotype	Protein A affinity
Human	++++	Human IgG1	++++
Mouse	++	Human IgG2	++++
Rat	+/-	Human IgG3	-
Hamster	+	Human IgG4	++++
Guinea Pig	++++	Mouse IgG1	+
Rabbit	++++	Mouse IgG2a	++
Horse	++	Mouse IgG2b	+++
Cow	++	Mouse IgG3	++
Pig	+++	Rat IgG1	-
Sheep	+/-	Rat IgG2a	-
Goat	-	Rat IgG2b	-
Chicken	-	Rat IgG2c	+

++++ = Strong affinity + = Slight affinity
 +++ = Moderate affinity +/- = Some serum IgGs bind weakly, some not at all
 ++ = Weak affinity - = No affinity

Antibody purification with Vivapure Protein A Mini spin columns



Antibody purification made simple

Rapid

The antibodies to be bound are loaded onto the membrane at neutral to high pH and eluted upon a shift to low pH. This is done very rapidly in subsequent centrifugation steps within less than 30 minutes.

User friendly

The Vivasure Protein A Mini spin devices are supplied with an easy 1-2-3 protocol and detailed instructions including optimized buffer recommendations. The Vivasure spin devices lend themselves to working with multiple samples and parallel processing.

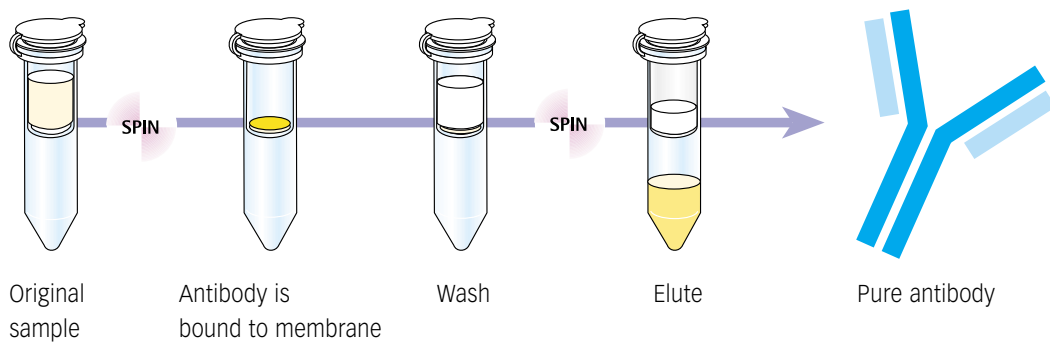


High purity

Protein A is inherently known to purify antibodies from complex samples

Vivasure Protein A Mini Spin Columns

Cat. No.	VS-PA01PA24
Vivasure Protein A Mini spin columns	24
Collection tubes	72
Instruction manual	1



Related Products

Vivasure family:

- Ion Exchange spin columns
- Acidic Protein Purification Kit
- Basic Protein Purification Kit
- DNA Removal Kit
- Albumin Removal Kit

Production of monoclonal antibodies:

- miniPERM bioreactor



Ultrafiltration of antibody solutions:

- Vivaspin 15R & Vivaspin 2 with Hydrosart® membrane



(See ordering information on the back and at www.vivascience.com)

Ordering Information

Cat Number	Vivapure Kits	Spin Columns		Cat Number	Vivapure Ion Exchange Maxi Spin Columns	Spin Columns	Centrifuge Tubes
VS-IX01QHGP	Acidic Protein Purification Kit Q Mini H	8		VS-IX20CM08	Vivapure C Maxi M	8	16
VS-IX20QHGP	Acidic Protein Purification Kit Q Maxi H	4		VS-IX20CH08	Vivapure C Maxi H	8	16
VS-IX01SHGP	Basic Protein Purification Kit S Mini H	8		VS-IX20DM08	Vivapure D Maxi M	8	16
VS-IX20SHGP	Basic Protein Purification Kit S Maxi H	4		VS-IX20DH08	Vivapure D Maxi H	8	16
VS-IX01QHAR	Albumin Removal Kit Q Mini H	12		VS-IX20QM08	Vivapure Q Maxi M	8	16
VS-IX20QHAR	Albumin Removal Kit Q Maxi H	4		VS-IX20QH08	Vivapure Q Maxi H	8	16
VS-IX01DMDR	DNA Removal Kit D Mini M	12		VS-IX20SM08	Vivapure S Maxi M	8	16
VS-IX20DMDR	DNA Removal Kit D Maxi M	6		VS-IX20SH08	Vivapure S Maxi H	8	16
Cat Number	Vivapure Ion Exchange Mini Spin Columns	Spin Columns	Centrifuge Tubes	Cat Number	Vivapure Ion Exchange Mega Spin Columns	Spin Columns	Centrifuge Tubes
VS-IX01ST16	Vivapure Mini H Starter Kit (4 of each ion exchange class)	16	32	VS-IX75QH02	Vivapure Q Mega H	2	2
VS-IX01CL24	Vivapure C Mini L	24	48	VS-IX75DH02	Vivapure D Mega H	2	2
VS-IX01CM24	Vivapure C Mini M	24	48	VS-IX75SH02	Vivapure S Mega H	2	2
VS-IX01CH24	Vivapure C Mini H	24	48	VS-IX75CH02	Vivapure C Mega H	2	2
VS-IX01DL24	Vivapure D Mini L	24	48				
VS-IX01DM24	Vivapure D Mini M	24	48				
VS-IX01DH24	Vivapure D Mini H	24	48				
VS-IX01QL24	Vivapure Q Mini L	24	48				
VS-IX01QM24	Vivapure Q Mini M	24	48				
VS-IX01QH24	Vivapure Q Mini H	24	48				
VS-IX01SL24	Vivapure S Mini L	24	48				
VS-IX01SM24	Vivapure S Mini M	24	48				
VS-IX01SH24	Vivapure S Mini H	24	48				



For more information on related products, please refer to the:

- Vivascience Ultrafiltration Catalog - Vivaspin 2, Vivaspin 15R
- Vivascience Cell Culture Catalog - miniPERM bioreactor, quadriPERM (see front cover)
- Vivapure® Catalog for kits and devices for protein purification

For current information and application notes, please visit us at www.vivascience.com

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