

## Fastback Protein A Agarose Resin

|                              |                    |
|------------------------------|--------------------|
| <b>Cat # NB-45-00036-1</b>   | <b>Size: 1ml</b>   |
| <b>Cat # NB-45-00036-5</b>   | <b>Size: 5ml</b>   |
| <b>Cat # NB-45-00036-25</b>  | <b>Size: 25ml</b>  |
| <b>Cat # NB-45-00036-100</b> | <b>Size: 100ml</b> |

Fastback Protein A Agarose Resin designed for simple, one-step and rapid antibody purification from serum, ascites and tissue culture supernatant such as those derived from static cultures and bioreactors. Recombinant protein A has been coupled to Agarose to obtain a stable matrix with a high binding capacity for immunoglobulins via the heavy chain of the FC region (up to 30 mg/ml Human IgG). Antibody samples purified using this affinity resin may be used in a wide range of laboratory procedures such as 1D or 2D polyacrylamide gel electrophoresis, Western blotting, ELISA etc. Binding affinity varies depending upon the source species and subclass see our website for further details.

### Specification:

|                                |  |
|--------------------------------|--|
| Specificity:                   | Protein A affinity antibodies                                |
| Matrix:                        | Agarose 3.5 mg Protein                                       |
| Coupled ligand:                | A/ml resin   |
| Binding capacity (human IgG):  | 30 mg/ml   |
| Bead size:                     | 60-165 $\mu$ m   |
| Flow rate:                     | 0.25-1 ml/min (recommended)                                  |
| Maximum pressure:              | 120-140 psi  |
| Buffer compatibility:          | Common aqueous buffers from pH 2.5-10                        |
| Binding buffer example:        | 1.5 M glycine/NaOH, 3 M NaCl pH 9.0                          |
| Elution buffer example (1):    | 0.1 M sodium citrate pH 5.5                                  |
| Elution buffer example (2):    | 0.2 M glycine/HCl pH 2.5                                     |
| Neutralization buffer example: | 1 M tris/HCl pH 9.0  |
| Shipping/delivery:             | 50% (v/v) resin suspension in 0.01% thimerosal               |
| Storage:                       | 0.01% thimerosal at 2-8°C for up to 2 years from manufacture |

### Ordering Information:

| Product                                  | Volume | Order Code      |
|--|--------|-----------------|
| Fastback Protein A Agarose Resin (1 ml)  | 1 ml   | NB-45-00036-1   |
| Fastback Protein A Agarose Resin (5ml)   | 5 ml   | NB-45-00036-5   |
| Fastback Protein A Agarose Resin (25ml)  | 25 ml  | NB-45-00036-25  |
| Fastback Protein A Agarose Resin (100ml) | 100ml  | NB-45-00036-100 |