

## Product Information

# Rabbit IgG-Agarose

Purified Immunoglobulin

**A2909**

Storage temperature 2–8 °C

Do Not Freeze

## Product Description

The purified IgG fraction of normal rabbit serum is covalently attached to cyanogen bromide activated 4% cross-linked beaded agarose. A minimum of 5 mg of the IgG fraction are bound per milliliter of resin.

The IgG-Agarose is supplied as a suspension in 0.5 M NaCl containing preservative.

IgG-Agarose is an immunoadsorbent and can be used to affinity purify antibodies, remove species specific cross-reacting antibodies, or remove contaminating antibodies from an antiserum preparation. The resin to antiserum ratio will vary with individual applications. Typically, cross-reacting antibodies may be removed from an antiserum preparation using an equal resin volume of IgG-Agarose.

## Precautions and Disclaimer

For research use only. Not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

## Storage/Stability

For continuous use, store at 2–8 °C for up to one month. For extended storage, freeze in working aliquots. Repeated freezing and thawing is not recommended. Storage in “frost-free” freezers is also not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilutions should be discarded if not used within 12 hours.

## Procedures

### Equilibration:

A 2 mL column of IgG-Agarose is prepared using 4 mL of the rabbit IgG-Agarose suspension. The column is equilibrated in 0.01 M sodium phosphate buffer, pH 7.2, containing 0.5 M NaCl (PB).

### Antibody Binding and Elution:

The antibody solution to be bound is applied slowly and followed by a PB wash. Flow through fractions are collected and assayed for protein content (Lowry) and specificity. Bound antibodies may be eluted by washing with 0.1 M glycine, containing 0.15 M NaCl, pH 2.4, or 0.5 M acetic acid, with 0.15 M NaCl, pH 2.4. Peak fractions are pooled, brought to neutral pH, dialyzed and concentrated (if necessary), and tested for antibody content and specificity.

### Column Storage:

After elution of bound antibodies, the column should be re-equilibrated in PB. The IgG-Agarose column may then be stored for future use at 2–8 °C in PB containing a preservative.

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