Product Information

Mouse IgG-Agarose

Purified Immunoglobulin

A0919

Product Description

The purified IgG fraction of normal mouse serum is covalently attached to cyanogen bromide activated cross-linked beaded agarose. One milligram of IgG fraction is bound per milliliter of resin. The IgG-Agarose is supplied as a suspension in 0.5 M NaCl containing preservative. IgG-Agarose is prepared to be used as 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 volume of IgG-Agarose (resin volume).

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

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.

Assay Conditions

A two-milliliter column of IgG-Agarose is prepared using four milliliters of the IgG-Agarose suspension. The column is equilibrated in 0.01 M sodium phosphate buffer, pH 7.2, containing 0.5 M NaCl (PB). The antibody solution to be bound is applied slowly and followed by a PB wash.

Fall through fractions are collected and assayed for protein content (Lowry) and specificity. The column is then stripped by washing with 0.1 M glycine, 0.15 M NaCl, pH 2.4 or 0.5 M acetic acid, 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. After stripping the agarose, the column should be re-equilibrated in PB. The IgG-Agarose may then be stored for future use at 2-8 °C in PB containing a preservative.

Notice

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A0919 Rev 01/22