

Product Information

Anti Rabbit IgG (whole molecule)–Agarose produced in goat, affinity isolated antibody

Catalog Number **A8914**
Store at 2-8 °C

Product Description

Antiserum is produced in goat using purified rabbit IgG as the immunogen. Antibody is isolated from goat anti-rabbit IgG antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to rabbit IgG. Goat anti-rabbit IgG is covalently attached to cyanogen bromide activated cross-linked beaded agarose. One to four milligrams of affinity isolated antibody is bound per milliliter of resin. After equilibration, a minimum of 0.25 mg of rabbit IgG can be bound and eluted per milliliter of packed resin.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP), prior to agarose bead coupling. Electrophoresis of the antibody followed by diffusion versus the anti-goat IgG and the anti-goat whole serum result in single arcs of precipitation in the gamma region.

Reagent

Supplied as a suspension in 0.5 M NaCl containing preservative.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Assay Conditions

A two milliliter column of antibody-agarose is prepared using four milliliters of the antibody-agarose suspension. The column is equilibrated in 0.01 M sodium phosphate buffer, pH 7.2, containing 0.5 M NaCl (PB). The antigen solution to be bound is applied slowly and followed by a PB wash. Fall through fractions are collected and assayed for protein content by absorbance at 280 nm. 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. Fractions containing protein are collected, brought to neutral pH and assayed for protein content by absorbance at 280 nm. After stripping the agarose, the column should be re-equilibrated in PB. The antibody-agarose may then be stored for future use at 2-8 °C in PB containing a preservative.

Storage

Anti-Rabbit IgG-Agarose may be regenerated and used for future adsorptions. Strip the agarose with ten column volumes of 0.1 M glycine, 0.15 M sodium chloride, pH 2.4, or 0.5 M acetic acid, 0.15 M sodium chloride, pH 2.4, then wash with 0.01 M sodium phosphate buffer, pH 7.2, containing 0.5 M sodium chloride (PB). Regenerated agarose may be stored at 2-8 °C as a suspension in PB containing preservative.

Do Not Freeze.

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