Product Information

Anti-Mouse IgG (Whole Molecule)-Agarose

Produced in Goat, Affinity Isolated Antibody

A6531

Product Description

Anti-Mouse IgG (whole molecule) is produced in goat using IgG isolated from pooled normal mouse serum as the immunogen. The antibody is affinity-purified using the immunizing peptide immobilized on agarose.

Specificity for mouse IgG is determined by immuno-electrophoresis (IEP) with normal mouse serum and mouse IgG, prior to coupling with the agarose. The antibody reacts with mouse IgG subclassses G1, G2a, G2b and G3 by Ouchterlony double diffusion (ODD).

The antibody's identity and purity are established by immunoelectrophoresis, prior to agarose bead coupling. Electrophoresis of the product, followed by diffusion versus anti-goat IgG and anti-goat whole serum, results in single arcs of precipitation in the gamma region.

Reagent

Anti-Mouse IgG (whole molecule) is then covalently bound to agarose (≥ 5 mg/mL of antibody per mL of resin) and is supplied as a suspension in 0.5 M sodium chloride containing preservative.

Precautions/Disclaimer

For R&D 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

Goat Anti-Mouse 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 and then wash with 0.01 M sodium phosphate buffer, pH 7.2, containing 0.5 M sodium chloride (PBS). Regenerated agarose may be stored at 2-8 °C as a suspension in PBS containing preservative. **Do Not Freeze.**

Product Profile

One mL of resin will bind a minimum of 0.4 mg of mouse IgG from mouse serum.

Assay Conditions

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

Notice

We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking the suitability of our products for the envisaged purpose.

The information in this document is subject to change without notice and should not be construed as a commitment by the manufacturing or selling entity, or an affiliate. We assume no responsibility for any errors that may appear in this document.

Technical Assistance

Visit the tech service page at SigmaAldrich.com/techservice.

Standard Warranty

The applicable warranty for the products listed in this publication may be found at SigmaAldrich.com/terms.

Contact Information

For the location of the office nearest you, go to SigmaAldrich.com/offices.