

Product Information

Anti-Rabbit IgG (whole molecule)-Alkaline Phosphatase

produced in goat, affinity isolated antibody

Catalog Number **A8025**

Product Description

Anti-Rabbit IgG (whole molecule) is produced in goat using purified rabbit IgG as the immunogen. Affinity isolated antibody is obtained from anti-rabbit IgG antiserum by immunospecific purification which removes essentially all goat serum proteins, including immunoglobulins, which do not specifically bind to rabbit IgG. Anti-Rabbit IgG is conjugated to alkaline phosphatase by protein cross-linking with 0.2% glutaraldehyde.¹

Specificity of the antiserum is determined by immunoelectrophoresis prior to conjugation, against normal rabbit serum and rabbit IgG.

Identity and purity of the antibody is established by immunoelectrophoresis prior to conjugation. Electrophoresis of the product followed by diffusion against anti-goat IgG and anti-goat whole serum results in single arcs of precipitation.

Reagent

Supplied as a solution in 0.05 M Tris buffer, pH 8.0, containing 1% BSA, 1 mM MgCl₂, 50% glycerol with 15 mM sodium azide as a 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.

Storage/Stability

Store at 2-8 °C.

Product Profile

Direct ELISA: minimum titer 1:7,000

Titer is defined as the dilution of conjugate sufficient to give a change in absorbance of 1.0 at 405 nm after 30 minutes of substrate conversion at 25 °C.²

Note: Working dilution should be determined by titration assay. Due to differences in assay systems, this titer may not reflect the user's actual working dilution.

References

1. Avrameas, V., *Immunochemistry*, **6**, 43, (1969).
2. Voller, A., et al., *Bull. World Health Organ.*, **53**, 55 (1976).

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