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Product Information

Anti-Rabbit IgG (whole molecule)–Peroxidase antibody produced in goat
IgG fraction of antiserum, buffered aqueous solution

Catalog Number **A9169**

Product Description

Antiserum is produced in goat using as immunogen purified rabbit IgG. Whole antiserum is fractionated and then further purified by ion exchange chromatography to provide the IgG fraction of antiserum. This fraction is essentially free of other goat serum proteins. Goat anti-rabbit IgG is then conjugated to peroxidase by protein cross linking with 0.2% glutaraldehyde.

Specificity of the Anti-Rabbit IgG (whole molecule)-Peroxidase is determined by immunoelectrophoresis (IEP) versus 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 versus the anti-goat IgG and the anti-goat whole serum results in single arcs of precipitation in the gamma region.

Reagent

Solution in 0.01 M phosphate buffered saline pH 7.4, containing 0.05% MIT.

Antibody concentration: 10-20 mg/ml

IgG:Peroxidase Molar ratio: 0.6-1.5

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses.

Storage/Stability.

Store at –20 °C. For continuous use, the product may be stored at 2-8 °C for up to one month. For extended storage, the solution may be frozen in working aliquots at –20 °C. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

Product Profile

Direct ELISA:: a working dilution of 1:50,000 is determined using 5 μg/ml of rabbit IgG for coating and OPD substrate

Immunoblotting (chemiluminescent): a working antibody dilution of 1:80.000 is determined by an immunoblot assay detecting β-actin in total cell extract of HeLa cells (5-10 μg per well)

Immunohistochemistry; a working antibody dilution of 1:400 is determined by indirect immunoperoxidase labeling of formalin-fixed paraffin-embedded human tonsils and Anti-Human IgG, Catalog Number I8635, as the first antibody.

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

References

1. Voller, A., et al., *Bulletin WHO*, **53**, 55 (1976)

RC,DS,KAA,PHC 07/20-1