

Product Information

Peroxidase-Anti-Peroxidase Soluble Complex antibody produced in rabbit, affinity isolated antibody

Catalog Number **P1291**

Synonym: PAP

Product Description

Antiserum is produced in rabbit using horseradish peroxidase as the immunogen. Soluble antigen-antibody complexes of horseradish peroxidase-anti-peroxidase (PAP) are prepared by a modification of the method reported by Sternberger, et al.¹

By immunoelectrophoresis (IEP), a single arc of precipitation is observed when the product (prior to the addition of BSA) is electrophoresed and then allowed to diffuse against anti-rabbit whole serum or anti-rabbit IgG. No reaction is observed against free horseradish peroxidase.

Reagent

Reagent Supplied as a solution in 0.01 M sodium phosphate buffered saline, pH 7.4, containing 0.05% MIT as a preservative.

Precautions and 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

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

To ensure functional product reactivity, each lot of PAP preparation is assayed using standard histological staining techniques.²

Immunohistochemistry, a minimum working antibody dilution of 1:200 is recommended using formalin-fixed, paraffin-embedded human tonsil sections and Anti-Human IgG, Catalog Number I8635, as the primary antibody and Anti-Rabbit IgG, Catalog Number R4880, as the secondary antibody.

In an agar diffusion assay the conjugate produces a precipitation arc at a minimum dilution of 1:32 versus a dilution of goat anti-rabbit IgG.

References

1. Sternberger, L. A., et al., *J. Histochem. Cytochem.*, **18**, 315 (1970).
2. Sternberger, L. A., *Immunocytochemistry* (John Wiley & Sons Inc., New York), p. 122 (1979).

MG,KAA,PHC,CY 08/21-1