

## Product Information

### PAP

**(Peroxidase-Anti-Peroxidase Soluble Complex)**

**Antibody developed in Mouse**

Product No. **P 3039**

### Product Description

Antiserum is developed in mouse 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.<sup>1</sup>

Each milliliter of product contains 3.5-9.0 mg PAP soluble complex as determined by the method of Lowry (prior to the addition of BSA).

### Reagents

The product is provided as a solution in 8 mM sodium acetate, 15 mM ammonium acetate buffered saline, pH 7.2, containing 0.5% BSA, with 0.01% thimerosal as a preservative.

### Product Profile

To ensure functional product reactivity, each lot of PAP preparation is assayed utilizing standard histological staining techniques.<sup>2</sup> A minimum working dilution of 1:200 was determined using indirect immunoperoxidase techniques on chicken fibroblasts.

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-mouse whole serum or anti-mouse IgG. No reaction is observed against free horseradish peroxidase.

### Storage/Stability

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

### References

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

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