



## Product Information

### PAP

#### (Peroxidase-Anti-Peroxidase Soluble Complex)

Antibody Developed in Rabbit

Product Number **P 2026**

### Product Description

Antiserum is developed in rabbit using Horseradish Peroxidase, Type VI (Sigma Product No. P 8375) 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>

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.

### 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 and 0.1% sodium azide as a preservative.

### Precautions and Disclaimer

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

### Storage/Stability

Store at -20 °C. For extended storage, freeze in working aliquots. Repeated freezing and thawing is **not** recommended.

### Product Profile

Each milliliter of product contains 3.5-7.0 mg PAP soluble complex (as determined by Lowry) prior to the addition of BSA.

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 cultured chicken fibroblasts with Rabbit Anti-Chicken Spectrin (Product No. S 1390) as the primary antibody and Goat AntiRabbit IgG (Product No. R 3382) as the bridging antibody.

### 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).

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