



3050 Spruce Street  
Saint Louis, Missouri 63103 USA  
Telephone 800-325-5832 • (314) 771-5765  
Fax (314) 286-7828  
email: techserv@sial.com  
sigma-aldrich.com

## Product Information

### **PAP (Peroxidase-Anti-Peroxidase Soluble Complex) Antibody developed in Goat**

Product Number **P 1901**

#### **Product Description**

Peroxidase-anti-peroxidase soluble complex is developed in goat using Horseradish Peroxidase, Type VI (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>

#### **Reagents**

PAP is provided as a solution in 8 mM sodium acetate, 15 mM ammonium acetate buffered saline, pH 7.2, containing 0.5% BSA and 15 mM 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

#### **Storage/Stability**

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

#### **Product Profile**

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-goat whole serum and anti-goat IgG. No reaction is observed against free horseradish peroxidase.

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 Goat Anti-Vimentin (Product No. V 4630) as the primary antibody and Rabbit Anti-Goat IgG Product No. G 5518) as the bridging antibody.

#### **References**

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

JWM/DAA 11/2002

Sigma brand products are sold through Sigma-Aldrich, Inc.

Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications. Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply. Please see reverse side of the invoice or packing slip.