



## Product Information Sheet

### Peroxidase Conjugated Protein A

**Catalog No.** BA1080-0.5

**Size** 0.5 mg

**Storage**

Store at 4°C for frequent use; at

-20°C for at least one year.

Avoid multiple freeze-thaw cycles.

**Expiration**

One year from the day of shipment.

**Applications**

Dot blot;

Western blot (WB);

Direct ELISA

**Product Description**

Protein A is the component of the cytoderm of staphylococcus aureus. It was regarded as a kind of broad spectrum secondary antibody, because it can bind Fc fragments of a majority of immunoglobulins. It can react with guinea pig, rabbit globulin and human IgG1, 2, 4 strongly and react with mouse, bovine globulin and human IgA, E, M weakly.

**Contents**

0.5 mg of peroxidase conjugated protein A; 0.01M PBS (pH7.4); 1% BSA.

**Labeling Method**

Protein A is conjugated to peroxidase by means of a method described by Wilson MB and Nakane PK.

(**Reference:** Wilson MB and Nakane PK. In Immunofluorescence and Related Staining Techniques, Elsevier/North Holland Biomedical Press, Amsterdam, P215 (1978).)

**Preparation of Diluent Buffer**

Use 0.01M TBS or 0.01M PBS to dilute. See "Recommended Dilutions" below for details.

Preparation of 0.01M TBS: Add 1.2g Tris, 8.5g NaCl; 450μl of purified acetic acid or 700μl of concentrated hydrochloric acid to 1000ml H<sub>2</sub>O and adjust pH to 7.2-7.6. Finally, adjust the total volume to 1L.

Preparation of 0.01 M PBS: Add 8.5g sodium chloride, 1.4g Na<sub>2</sub>HPO<sub>4</sub> and 0.2g NaH<sub>2</sub>PO<sub>4</sub> to 1000ml distilled water and adjust pH to 7.2-7.6. Finally, adjust the total volume to 1L.

To reorder contact us at:

**Antagene, Inc.**

**Toll Free: 1(866)964-2589**

**Tel: (650) 964-2589**

**Fax: (650) 964-2519**

**email: Info@antageneinc.com**

**Recommended Dilutions**

Dot blot (Enhanced chemiluminescent coloration) 1:2000-4000

WB (DAB coloration) 1:500-3000

WB (Enhanced chemiluminescent coloration) 1:3000-10000

Direct ELISA (TMB coloration) 1:20000-40000

*Optimal working dilutions must be determined by end user.*

**FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.**