



## Product Information Sheet

### Peroxidase Conjugated Avidin

**Catalog No.** BA1081-0.5

**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);

**Product Description**

Avidin is a 68KD protein that extracted from egg white. It has very high affinity to biotin molecule, one million times than the common affinity between antigen and antibody. Avidin is a alkaline protein (IP=10.0-10.5), and it can transfer to be a neutral protein through reconstruction.

**Contents**

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

**Labeling Method**

Avidin 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.

**Recommended Dilutions**

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

WB (DAB coloration) 1:500-3000

WB (Enhanced chemiluminescent coloration) 1:3000-10000

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

**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**