



## Product Information Sheet

### Biotin Conjugated Protein G

**Catalog No.** BA1026-1

**Website:** [www.antageneinc.com](http://www.antageneinc.com)

**Size** 1 mg

**Formulation**

Concentrated, Liquid

**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**

Immunohistochemistry (IHC);

Western blot (WB);

Direct ELISA

**Product Description**

Protein G is widely used as an affinity-based ligand for the purification of IgG, it can bind to all IgG subfamily from human, mouse and rat. Streptococcal protein G also has been used extensively for the purification of antibodies using the interaction of the Fc region with protein G. Many antibodies interact with protein G through a low-affinity binding site for the Fab region.

**Contents**

1 mg of biotin conjugated protein G; 0.01M PBS; 1% BSA; 0.01% Thimerosal.

**Labeling Method**

Protein G is conjugated to biotin by means of a method described by Bayer.

(Reference: Bayer, E.A. et al., Meth. Enzymol., 62, 308 (1979))

**Application Notes**

This protein must be used with various kinds of enzymes and fluorescence conjugated avidin (streptavidin) in IHC, WB and ELISA.

**Diluted by neutral PBS or TBS.**

**Recommended Dilutions**

IHC (paraffin-fixed section) 1:100-200

IHC (frozen-fixed section) 1:100-200

WB 1:200-400

Direct ELISA 1:5000-20000

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

**To reorder contact us at:**

**Antagene, Inc.**

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

**Tel: (408)400-9688**

**Fax: 1(888)225-1868**

**email: [Info@antageneinc.com](mailto:Info@antageneinc.com)**