



Product Information Sheet

Biotin Conjugated Protein G

Catalog No. BA1026-0.5

Website: www.antageneinc.com

Size 0.5 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

0.5mg 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.

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