

Biotin Conjugated Protein G

Catalog No. BA1026-0.5

Size 0.5 ml

Form

Concentrated, Liquid

Concentration

1 mg/ml

Storage

At 4°C for one year.

Applications

Immunohistochemistry (IHC)

Immunocytochemistry (ICC)

Western Blot (WB)

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, Biotin: Ab=10:1, 0.01 M PBS, 0.01% Thimerosal, 50% glycerol.

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 or fluorescence conjugated avidin (streptavidin) in IHC-P, IHC-F, ICC, WB and ELISA.

Diluted by neutral PBS or TBS.

Application

	Concentration
Western blot(DAB)	2.5-5µg/ml
Western blot(ECM)	0.1-0.3µg/ml
Immunohistochemistry(Paraffin-embedded Section)	5-10µg/ml
Immunohistochemistry(Frozen Section)	5-10µg/ml
Immunocytochemistry	5-10µg/ml
ELISA	0.05-0.2µg/ml

Optimal working dilutions must be determined by end users.