



Product Information Sheet

FITC Conjugated Protein A

Catalog No. BA1120-0.5

Size 0.5 mg

Storage

Store at 4 °C. Avoid light and multiple freeze-thaw cycles.

Expiration

One year from the day of shipment.

Applications

Flowcytometry (FCM);

Immunocytochemistry (IC);

Indirect Immunofluorescence (IF);

Immunohistochemistry (IHC).

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 FITC conjugated protein A, F/P=3/1; 0.01M PBS; 1% BSA; 0.01% Thimerosal.

Labeling Method

Protein A is conjugated to FITC by means of a method described by Hijmans,W.,et al.

(**Reference:** Hijmans,W.,et al. Clin.Exp.Immunol.,4, 457(1969))

Preparation of Diluent Buffer

Add reagent grade BSA into 0.01 M PBS (PH7.2-7.6) or TBS buffer and make BSA at a concentration of 1%. Use the above diluent buffer 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 H₂O and adjust pH to 7.2-7.6. Finally, adjust the total volume to 1L.

Preparation of 0.01M **PBS**: Add 8.5g sodium chloride, 1.4g Na₂HPO₄ and 0.2g NaH₂PO₄ to 1000ml distilled water and adjust pH to 7.2-7.6. Finally, adjust the total volume to 1L.

Recommended Dilutions

FCM	1:100
IC	1:64-128
Indirect IF	1:64-128
IHC (F)	1:64-128

Optimal working dilutions must be determined by end user.

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