Antagene inc©
Your Source of Antibody

Product Information Sheet

FITC Conjugated Avidin

Catalog No. BA1125-1

Size 1 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

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 an alkalic protein (IP=10.0-10.5), and it can transfer to be a neutral protein through reconstruction.

Contents

1 mg of FITC conjugated avidin, F/P=3/1; 0.01M PBS; 1% BSA; 0.01% Thimerosal. And the isoelectric point of avidin reduced from 10 to 6.5 through chemical modification. Thus, avidin has very low non-specific absorption to tissue and cell.

Labeling Method

Avidin 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 H_2O 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 Na_2HPO_4 and 0.2g NaH_2PO_4 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
Indirect IF	1: 64
IHC	1: 64

Optimal working dilutions must be determined by end user.

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