



Product Information Sheet

TRITC Conjugated Avidin

Catalog No. BA1093-0.5

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

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

Contents

0.5 mg of TRITC 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. The emission and filtration wavelength of TRITC are 550 nm and 620 nm respectively.

Labeling Method

Avidin is conjugated to TRITC 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.

To reorder contact us at:

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Recommended Dilutions

IC 1: 64

Indirect IF 1: 64

IHC 1: 64

Optimal working dilutions must be determined by end user.

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.