Product Information Sheet

FITC Conjugated Rabbit Anti-goat IgG

Catalog No. BA1110-0.5

Size 0.5 mg

Ig Type IgG

Immunogen

Goat IgG (whole molecular).

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).

Purification

This antibody was purified from antiserum by immunoaffinity chromatography which removes essentially all rabbit serum proteins, except the specific antibody for goat IgG.

Raised in Rabbit

Clonality Polyclonal

Contents

0.5 mg of FITC conjugated specific antibody (purity is above 99%), FITC: Ab = 4-6 : 1; 0.01M PBS; 1% BSA; 0.01% Thimerosal. The emission and filtration wavelength of FITC are 495 nm and 525 nm respectively.

Specificity

This FITC conjugated antibody is specific for goat IgG and shows no cross-reactivity with goat IgA, IgM and other animal species IgG proteins.

Labeling Method

Rabbit anti-goat IgG 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

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IC	1:32-64	IHC	1:32-64
Indirect IF	1:32-64	*Optimal working dilutions must be determined by end user.*	

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