



## Product Information Sheet

### FITC Conjugated Goat Anti-mouse IgG

**Catalog No.** BA1101-1

**Size** 1 mg

**Ig Type** IgG

**Immunogen**

Mouse 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 goat serum proteins, except the specific antibody for mouse IgG.

**Raised in** Goat

**Clonality** Polyclonal

**Contents**

1 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 mouse IgG and shows no cross-reactivity with mouse IgA, IgM and other animal species IgG proteins.

**Labeling Method**

Goat anti-mouse 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 (pH 7.2-7.6) 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<sub>2</sub>O 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<sub>2</sub>HPO<sub>4</sub> and 0.2g NaH<sub>2</sub>PO<sub>4</sub> to 1000ml distilled water and adjust pH to 7.2-7.6. Finally, adjust the total volume to 1L.

**Recommended Dilutions**

FCM 1:100

To reorder contact us at:

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IC	1:32-64	IHC	1:32-64
Indirect IF	1:32-64	<i>Optimal working dilutions must be determined by end user.</i>	

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