FITC Conjugated Goat Anti-mouse IgG (H+L)

Catalog No. BA1101-0.5
Size 0.5 mL
Ig Type IgG

**Immunogen**
Mouse IgG (whole molecular).

**Form**
Concentrated, Liquid

**Concentration**
1 mg/mL

**Storage**
At 4°C for one year.

**Applications**
Flowcytometry (FCM)
Immunocytochemistry (ICC)
Immunohistochemistry (IHC)

**Product Description**
This antibody is purified from antiserum by immunoaffinity chromatography which removes essentially all goat serum proteins, except the specific antibody for mouse IgG. The antibody preparation is solid phase adsorbed with human serum proteins to ensure minimal cross reactivity in tissue or cell preparations.

**Host**
Goat

**Clone**
Polyclonal

**Contents**
0.5 mg of FITC conjugated specific antibody (purity is above 99%), FITC: Ab = 4-6 : 1, 0.01M PBS, 0.01% Thimerosal, 50% glycerol. 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 human/bovine/rabbit IgG.

**Labeling Method**
Goat anti-mouse IgG is conjugated to FITC by means of a method described by Hijnans,W.,et al.


**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.

**Application**

<table>
<thead>
<tr>
<th>Application</th>
<th>Concentration</th>
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</thead>
<tbody>
<tr>
<td>Flowcytometry</td>
<td>5-10μL/10^6 cells</td>
</tr>
<tr>
<td>Immunohistochemistry(Paraffin-embedded Section)</td>
<td>10-50μg/mL</td>
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<tr>
<td>Immunohistochemistry(Frozen Section)</td>
<td>10-50μg/mL</td>
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<tr>
<td>Immunocytochemistry</td>
<td>10-50μg/mL</td>
</tr>
</tbody>
</table>

Optimal working dilutions must be determined by end users.