Peroxidase Conjugated Goat Anti-rabbit IgG (H+L)

**Catalog No.** BA1054-0.5  
**Size** 0.5 ml  
**Ig Type** IgG  
**Immunogen** Rabbit IgG (whole molecular).  
**Form** Concentrated, Liquid  
**Concentration** 1 mg/ml  
**Storage** At 4°C for one year.  
**Applications**  
- Dot blot  
- Western Blot (WB)  
- ELISA  

**Product Description**  
This antibody is purified from antiserum by immunoaffinity chromatography which removes essentially all goat serum proteins, except the specific antibody for rabbit 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 peroxidase conjugated specific antibody, 0.01 M PBS (pH7.4), 50% glycerol.

**Specificity**  
This peroxidase conjugated antibody is specific for rabbit IgG and shows no cross-reactivity with mouse/bovine IgG.

**Labeling Method**  
Goat anti-rabbit IgG is conjugated to peroxidase by means of a method described by Wilson MB and Nakane PK.  
(Reference: Wilson MB and Nakane PK. In Immunofluorescence and Related Staining Techniques, Elsevier/North Holland Biomedical Press, Amsterdam, P215 (1978).)

**Preparation of Diluent Buffer**  
Use 0.01M TBS or 0.01M PBS 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 0.01 M 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>Dot blot(ECL)</td>
<td>0.5-1μg/ml</td>
</tr>
<tr>
<td>Western blot(DAB)</td>
<td>0.5-3.3μg/ml</td>
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<tr>
<td>Western blot(ECL)</td>
<td>0.2-0.5μg/ml</td>
</tr>
<tr>
<td>ELISA</td>
<td>0.2-0.3μg/ml</td>
</tr>
</tbody>
</table>

Optimal working dilutions must be determined by end users.

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