KPL Peroxidase-Labeled Antibody To Rabbit IgG (H+L)

Produced in Goat

Catalog No. 5220-0336 (074-1506)  Size 1.0 mg

DESCRIPTION
Affinity purified antibody isolated from a pool of serum from goats immunized with purified rabbit IgG was labeled with peroxidase by the periodate method of Nakane and Kawaoi (1).

FORM/STORAGE
Lyophilized. Store at 2-8°C until rehydrated. Stable for a minimum of 1 year when stored at 2-8°C.

STABILIZER AND PRESERVATIVE
Goat serum added as a protein stabilizer. No preservative added. Additional biological protection may be provided with 0.01% thimerosal. DO NOT USE SODIUM AZIDE. Non-sterile.

ANTIBODY CONCENTRATION
The concentration of affinity purified antibody is 1.0 mg as determined by UV absorbance at 280 nm.

E/P RATIO
Molar enzyme/antibody protein ratio = 4:1

SPECIFICITY/CROSS REACTIVITY
Tested by gel diffusion and ELISA techniques as applicable. This product reacts specifically with rabbit IgG and may recognize other immunoglobulin types that have light chains in common with IgG. Reactivity to IgG subclasses has not been tested. Antibodies to rabbit IgG may cross-react with immunoglobulins of other mammalian species if common binding sites are shared.

REHYDRATION/STORAGE
Note: Rehydration of antibodies in TBS or buffers other than those listed here is not recommended.

Procedure A: 50% Glycerol
At a working dilution, the level of glycerol is too small to affect most assays. The use of glycerol is not recommended when the conjugate is used in live cell work.
Rehydration: Add 0.5 mL reagent quality water to the product vial. Rotate the vial until the lyophilized pellet is totally dissolved. Add 0.5 mL glycerol to the product vial. Pipette up and down several times to ensure proper mixing.

Procedure B: KPL HRP Stabilizer
Rehydration: Rehydrate with 1 mL of KPL HRP Stabilizer (see RELATED PRODUCTS). Rotate the vial until the lyophilized pellet is totally dissolved.
Storage: This product should be stored at 2-8°C. Stable for a minimum of 1 year.

Procedure C: H2O
Rehydration: Rehydrate with 1 mL of reagent quality water. Rotate the vial until the lyophilized pellet is totally dissolved.
Storage: This product may be stored for up to 1 week refrigerated; thereafter, it should be stored frozen. Stable for a minimum of 1 year at -20°C.

SUGGESTED WORKING DILUTIONS
Optimal working concentrations should be determined experimentally. Prepare working dilution in TBS or other buffer such as BSA or Milk Diluent/Blocking Solution (See RELATED PRODUCTS) immediately before use. These buffers not recommended for long term storage. Suggested starting dilutions are as follows. In many cases, the antibody may be diluted further than indicated.

ELISA:
1:1000 - 1:5000  1.0 µg/mL - 0.2 µg/mL

Blotting:
1:5000 - 1:20000  0.2 µg/mL - 0.05 µg/mL

Histo/Cytochemical Procedures:
1:200 - 1:500  5.0 µg/mL - 2.0 µg/mL

PRODUCT SAFETY AND HANDLING
This product is considered non-hazardous as defined by The Hazard Communication Standard (29 CFR 1910.1200). Avoid contact with skin and eyes. In case of contact or spillage, clean with copious amounts of water. Disposal via sanitary sewer.

508.244.6400 • 800.676.1881 Toll Free • 508.634.3334 Fax
www.seracare.com
KPL Peroxidase-Labeled Antibody To Rabbit IgG (H+L)

Produced in Goat

Catalog No. 5220-0336 (074-1506)  Size  1.0 mg

REFERENCES

RELATED PRODUCTS

<table>
<thead>
<tr>
<th>Product</th>
<th>CAT NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>KPL HRP Stabilizer</td>
<td>5290-0005 (54-15-01)</td>
</tr>
<tr>
<td>KPL 5X Detector Block</td>
<td>5920-0004 (71-83-00)</td>
</tr>
<tr>
<td>KPL Milk Diluent/Blocking Solution</td>
<td>5140-0011 (50-82-01)</td>
</tr>
<tr>
<td>KPL Coating Solution</td>
<td>5150-0014 (50-84-00)</td>
</tr>
<tr>
<td>KPL Wash Solution</td>
<td>5150-0008 (50-63-00)</td>
</tr>
<tr>
<td>KPL SureBlue Microwell Substrate</td>
<td>5120-0075 (52-00-01)</td>
</tr>
<tr>
<td>KPL ABTS Microwell Substrate</td>
<td>5120-0041 (50-66-00)</td>
</tr>
<tr>
<td>KPL TMB Membrane Substrate</td>
<td>5420-0027 (50-77-03)</td>
</tr>
<tr>
<td>KPL HistoMark® TrueBlue</td>
<td>5510-0035 (54-78-00)</td>
</tr>
<tr>
<td>KPL BSA Diluent/Blocking Solution</td>
<td>5140-0006 (50-61-00)</td>
</tr>
</tbody>
</table>

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.