Beacle , Inc.

Ver.2.00

# HRP Stabilizer

## (Storage solution for HRP-labeled Antibody)

## User's Manual

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Cautions
1. Research use only. Do not use for medical purpose.
2. Do not dilute before use as this reagent has been optimized for component concentration.

### (1) Introduction

This product is a storage solution for HRP (Horseradish peroxidase)-labeled antibodies (IgG) to be stored stably for long periods (more than 1 year) under refrigeration. In addition to storage at high concentration, the labeled antibodies can be stored at low concentration for easy use of immunoassay.

It is also possible to store HRP-labeled proteins other than antibodies, but whether they can be stored for a long time depends on the properties of the protein.

●Features●
1. Can be used to store labeled antibody at high concentration.
2. Can be used to store labeled antibody at working concentration (e.g. 10ng–10μg/mL).
3. Storing at working concentrations simplifies experimental operations.
4. Long time (more than 1 year) storage under refrigerated condition.
3. Easy to use: just dilute or dissolve HRP-labeled antibody with this product.

### (2) Product information

This manual is applied to the product listed in the table.

| Product # | Product Name | Content |
|---|---|---|
| BCL-HSS-01 | HRP Stabilizer | 50mL |

### (3) Storage condition

Store at 2 - 8°C avoiding from light.

*The yellow color of the solution may become lighter during storage, but this does not affect performance.



### (4) Related Products

The following products are valuable for immunoassays.

| Product # | Product name | Content | Description |
|---|---|---|---|
| BCL-125 | Signal Booster | 250 mL x 2 | Antigen-antibody reaction enhancer |
| BCL-SBN-01 | Signal Booster Neo | 250 mL | Antigen-antibody reaction enhancer (Protein free) |
| BCL-BKCW-01 | c-Block-w | 500 mL | Protein free-blockng solution for Western Blot. |
| BCL-BKCE-01 | c-Block-e | 500 mL | Protein free-blockng solution for ELISA. |

### (5) How to use

1. Preparation of stock solution at high concentration

When antibodies are labeled with an HRP-labeling kit, concentrate the labeled antibody using an ultrafiltration membrane, and dilute it with this product. In order to maintain the concentration of the active ingredient in this product, dilute the labeled-antibody at least 10 times. Store the diluted antibody at 2 - 8°C avoiding from light.

When storing a ready-made HRP-labeled antibody, dilute it with this product at least 10 times as above. If necessary, concentrate the antibody solution to the appropriate concentration using an ultrafiltration membrane before diluting.

2. Preparation of antibody solution at working range concentration

Dilute the stock solution prepared in step 1. (above) with this product to an appropriate concentration (e.g., several tens of ng to several tens of μg/mL). Store the diluted solutions at 2 - 8°C avoiding from light. When diluting antibody solution not prepared with this product, dilute it with this product at least 10 times.

<Note>

The stability of HRP-labeled antibodies is affected by its purity. Please use antibodies highly purified by affinity chromatography, etc.

### (6) Estimated storage period for labeled antibodies

When the labeled antibody was stored at a high concentration (0.5 mg/mL), its activity remained unchanged for over 1 year under both 4°C and 25°C (accelerated test) conditions. If stored properly, labeled antibodies seems to be stable for several year under refrigerated conditions.

When the labeled antibody was stored at a low concentration (50ng/mL), its activity remained unchanged for more than 3 months at 25°C (accelerated test). Even at concentrations as low as several tens of ng/mL, labeled antibodies seems to be stable for more than a year under refrigeration.

<Note>

Stability of HRP-labeled antibodies is affected by the purity and nature of the labeled antibodies. If necessary, evaluate the activity of the labeled antibodies during the storage period.

### (7) Contact information

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