

Peptide Immobilizing Kit

Peptide solid phase maker for ELISA

User's Manual

Beacle, Inc.
KYOTO JAPAN

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Cautions

1. Research use only. Do not use for medical purpose.

(1) Introduction

Peptides are often difficult to immobilize on ELISA microplates. Therefore several microplate having functional surface, such as amino plate. But the plate having functional surface is rather expensive, and not always ready to use. "Peptide Immobilizing Kit" is designed to make conjugate with BSA and with simple manner, and to immobilize peptides on normal ELISA plate.

(2) Product information

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

Product #	Product name	content
BCL-PIK-01	Peptide Immobilizing kit	1kit (for 3 trial)

Components: •BSA solution: 1 tube
•Conjugate Reaction Solution: 1 tube
•Reaction Stop Agent: 3 tubes
•2 x conc. Coating Buffer: 1 bottle

(3) Storage

Store at 4°C

(4) How to use

1. Mixing of peptide and BSA solution

Peptide dissolved in PBS is mixed with BSA solution (1mg/mL). The basic mix ratio is 250 μ L of peptide (1mg/mL) and 250 μ L of BSA solution, but may need modification. As far as the condition of the total volume being 500 μ L and the BSA solution used being 250 μ L is kept constant, the peptide concentration can be varied within the range of 0.5 to 2mg/mL【note 1】.

2. Formation of conjugate

The following steps should be done at 4°C. Add 50 μ L of Reaction Solution to the mixed solution, and mix well by inverting the container, and let it stay for 30 sec. Repeat the same procedure 4 more times. Then incubate for 60 min while mixing a few more times during the incubation.

3. Stop of reaction

Take out the container from refrigerator, and add all the powders of one tube of reaction Stop Agent into the container, and stop the reaction. Please the container opened during stop reaction since small gas 【note 2】 is generated by this reaction. Let it stay by the gas generation stops.

4. Immobilization of peptide

Dilute 2 x Coating Buffer by the same volume of DW. Dilute the conjugate solution to desired concentration by 1 x Coating Buffer, and immobilize peptide in two wells by adding 100 μ L of diluted conjugate. Incubation time is generally 30 min to 3 hrs.

5. Storage of conjugate

The prepared conjugate can be stored for 1 week at 4°C 【note 3】.

【note 1】 The recommended mix ratio may be different from peptide to peptide.

【note 2】 The gas is hydrogen. Take care of the fire.

【note 3】 The storage time may be different from peptide to peptide.

(5) Contact information

Beacle, Inc. (manufacturer and distributor)

14-1 Yoshida Kawaracho, Sakyo-ku, Kyoto, 606-8305 Japan

E-mail: technical-support@beacle.com

Website: www.beacle.com