Beacle, Inc.

Research use only

ELISA-related products

TMB Solution

【Features】

1. One and Two reagent types
2. Economical price
3. High linearity
4. Good storage stability

【Outline】

TMB is widely used for the HRP substrate. The product is the ready-to-use TMB solution. Two types, one reagent and two reagent types are available. Both products show the equal signal intensity to the widely used high end products.

【Lineup】 TMB solution (1 reagent type): 250mL
TMB solution (2 reagent type): solution A & B 250mL each

Peptide Immobilizing kit

【Features】

1. Higher efficiency than surface-treated plates
2. Economical by using standard ELISA plates
3. Minimal 90 min procedure
4. Easy to use

【Principle】

Peptides are conjugated with BSA, and the conjugate is immobilized on standard ELISA plates. Because the kit uses BSA, assay system that react with BSA should not be used.

【Kit Components】

BSA solution, Reaction reagent, Stop agent, Coating buffer

(Reagents enough to repeat 3 trial included. About 250μg of peptides are treated at one time, so that about 5 plates can be treated when the coating peptide concentration is 5μg/mL)

【Price】

Product #	Product name	Content	Price
BCL-TMB-01	TMB Solution (1 reagent type)	250mL	\12,000
BCL-TMB-21	TMB Solution (2 reagent type)	250mL each	\16,000
BCL-PIK-01	Peptides Immobilizing kit	3 trials	\20,000

【Contact to】

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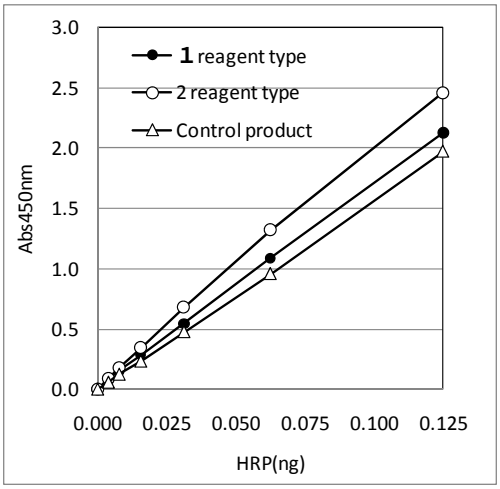
TMB Solutions

【Linearity】

Absorbance at 450nm was determined with various concentration of HRP. The linearity of the dose-response curve was good for the products of both one and two reagent types. Comparing to control product, both the products showed equal or higher absorbance.



【Outline of user's instruction】

One reagent type:

Take the liquid at needed volume out from the bottle, and add the liquid to microplate wells. After incubation for 30 min in dark place, add 2M sulfuric acid to stop the reaction, and measure the absorbance at 450nm.

Two reagent type:

Take the liquid at 1/2 of needed volume out from each bottle, and mix the two liquids well. Add the liquid to microplate wells. After incubation for 30 min in dark place, add 2M sulfuric acid to stop the reaction, and measure the absorbance at 450nm.

【Storage】

TMB solution 1 reagent type : 1 year at 4℃

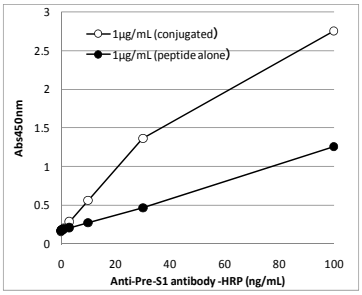
TMB solution 2 reagent type : 1 year at 4℃

Peptides Immobilizing kit

【Experimental example-1】

Method: Pre-S1 peptide is immobilized on standard ELISA plate (high bind type) with or without using the kit, and detected by anti-Pre-S1 antibody (HRP-labled).

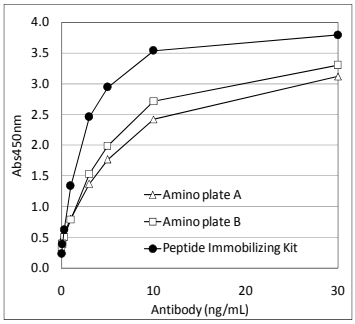
Result: The signal intensity was about 3-fold higher with using the kit than without using it, suggesting the amount of immobilized peptide is much higher with using the kit.



【Experimental example-2】

Method: Pre-S2 peptide is immobilized on standard ELISA plate (moderate bind type) with using the kit, two kinds of amino group-binding type plate without using the kit, and detected by anti-Pre-S2 antibody (HRP-labled).

Result: The signal intensity was much higher in plate immobilized using the kit than in the two kinds of surface-treated plates, suggesting the amount of immobilized peptide is much higher with using the kit.



【 Outline of user's instruction 】

Dissolve a certain amount of peptide (at maximum 250μg) in 250μL of PBS . Add equal volume of BSA solution to the peptide solution and mix well. Add 50μL of conjugate reaction solution to the mixture and mix well. Repeat this procedure another 4 times so that total 250μL of reaction solution is added. Incubate the mixture for 60 min at 4℃. After the incubation, add all powders of one tube of Stop agent. Dilute the conjugate with Coating buffer to desired concentration, coat plates by incubating 0.5 to 3 hrs.

Note: the mix ratio of peptide and BSA is basically 1:1, but may be dependent on the nature of peptide. Please determine the best ratio by yourself.

【Storage】

1 year at 4℃