ELISA Starter Kit (BSA)

Cat. No. ESK-1000

Product ELISA Starter Kit (BSA)

Type ELISA Kit

Quantity 1000wells assays

Specificity This Kit is used to quantitatively measure levels of proteins or specific antigens in serum or other biological samples by using with ELISA development kits. Except antibody & standard, all other reagents for full ELISA test are supplied.

Description

- There is no need to buy extra solutions separately.
- Minimize the cost and time for preparation of full ELISA Kit
- All kit components are optimized for common ELISA test.
- It is convenient to use together with Core kits.

Kit Components

Items	**Quantity**
Coating Buffer (pH9.6)	250ml x 1
Blocking Solution (1% BSA/PBS)	250ml x 1
20X PBST	250ml x 1
TMB Substrate Solution	100ml x 2
Stop Solution (2M H_2SO_4)	100ml x 1

Storage & Shelf life 18months at 2-8°C

Buffer Preparation

1. Coating Buffer : 50 mM Carbonate-Bicarbonate Buffer, pH 9.6. Resolve the coating material (antigen or antibody) in the coating buffer to make 1ug/ml (1-10ug/ml).

2. Sample/Standard/Antibody Diluting Solution: Dilute Sample/Standard/Antibody in PBST (Washing Solution).

3. Washing Solution: Dilute 20X PBST in ddH_2O.(Add 50mL 20XPBST to 950mL ddH_2O)

4. Color Reaction Mixture:TMB Substrate Solution(Ready to use)

Sandwich ELISA Protocol

1. Coating

(1) Dispense 200ul (may vary from 50 to 200ul depending on user's need) of prepared Coating Solution to each well.

(2) Incubate 1 hour at 37°C. (or 1-3 hours at room temperature/overnight at 4°C)

2. Washing (All washing method is the same.)

(1) Remove the solution from each well and fill up the Washing Solution. Repeat 3-5 times. Complete removal of liquid in each step is essential to good performance.

(2) After the last wash, remove any remaining Washing Solution.

Turn over the plate and blot carefully on paper towels.

3. Blocking

(1) Add 200ul Blocking Solution to each well.

(2) Incubate 1 hour at room temperature or at 37°C.

4. Washing

5. React Sample/Standard (or Primary Antibody)

(1) Add 200ul diluted Sample/Standard (or Primary Antibody) to each well.

(2) Incubate 1 hour at room temperature or at 37°C.

6. Washing

7. Add HRP-conjugated Detection Antibody (or Secondary Antibody)

(1) Add 200ul diluted Detection Antibody to each well.

(2) Incubate 1 hour at room temperature or at 37°C.

8. Washing

9. Color Reaction and Reading

(1) Dispense 150ul Color Reaction Mixture(Fast TMB) into each well.

(2) After sufficient color development (10-15 minutes at room temperature or at 37°C), add 50ul Stop Solution (2M H_2SO_4) to each well.

(3) Read plates in a microwell plate reader at wavelength setting of 450nm.