

Reagent for Research Purpose

Blocking Agent for Immunological Experiments

Block Ace

Very Well Accepted the by the Customers Due to Easiness to Use !

Block Ace is a blocking agent prepared from lactoprotein. Since lactoprotein contains a lot of hydrophobic groups, it shows a high affinity to plastic, membrane filter, etc. Block Ace exhibits more excellent blocking effect on nonspecific adsorption of antigens or antibodies in the ELISA, RIA and immunoblocking methods compared with the conventional blocking agents such as BSA (Bovine Serum Albumin).

■Features

1. Block Ace has a high blocking effect and controls the background low in ELISA.
2. Block Ace is powder type, it does not take much stock space, and dissolve in distilled water quickly.
3. Block Ace possesses a stabilizing effect of physiological active substance and can also be used as a diluting agent.
4. Block Ace can be used for ABC method²⁾.
5. Block Ace is heat-sterilized. Thus, antibodies, enzymes and viruses of bovine origin are inactivated.

■Comparison of blocking effect between Block Ace and 1% BSA solution

When human IgG ELISA is conducted after anti-human kappa-chain antibodies and anti-human lambda-chain antibodies are coated, and blocked by Block Ace or 1% BSA, Block Ace showed lower background and shaper standard curve than BSA³⁾.

■How to Use

Dissolve 4g of Block Ace Powder into 100ml of distilled water, and use it as the undiluted solution. The pH of the undiluted solution is 6.2-6.4.

【Blocking】

For blocking purpose, use the undiluted solution or the two- to four-fold diluted solution by distilled water. Generally, use the four-fold diluted solution for ELISA and the undiluted solution for Western Blotting.

【Dilution of Test Sample and Second Conjugated Antibody】

For dilution of test sample and second conjugated antibody, dilute the undiluted solution ten-fold with distilled water.

【Washing Operation in ELISA】

For washing operation in the B/F separation, etc., dilute the undiluted solution ten-fold with distilled water and add Tween20 to make a final concentration of 0.05 - 0.2 v/v%.

| | | | | |
|----------|-----------------|---------|------------------|---------|
| ■Package | • Catalogue No. | UK-B80 | Block Ace Powder | 4g x 20 |
| | • Catalogue No. | UK-B40 | Block Ace Powder | 40g |
| | • Catalogue No. | UK-B500 | Block Ace Powder | 500g |

■Preservative None

■Storage Prior to reconstitution store at +4°C.

Following reconstitution store at +4°C or at -20°C.

Reference Literatures : 1) Hiroshi, S. et al. Agric. Biol. Chem., 52(10), 2653(1988)
2) Hirokazu, H. et al. Clin. Chem. 36/11, 1967(1990)
3) Hiroshi, S. et al., Report of Snow Brand Milk Products Co., Ltd, Research Laboratory

【Manufacturer】

【Distributed by】



KAC Co.,LTD