

Product No. 03953

Blocking One

Blocking One is a blocking buffer for ELISA, Immuno blotting and immunohistochemistry.

Features

- Blocking time for ELISA method is shorter than other conventional product. (Fig.1)
- The blocking efficiency is linear even at low concentration. (Fig.2)
- Does not contain alkaline phosphatase inhibitors.
- The preservative in the product does not affect the activity of alkaline phosphatase or horseradish peroxidase. Store the product in refrigerator after opening.
- It can be used as buffer of the enzyme labeled antibody.
- The product can be used with nylon membrane after the hybridization.

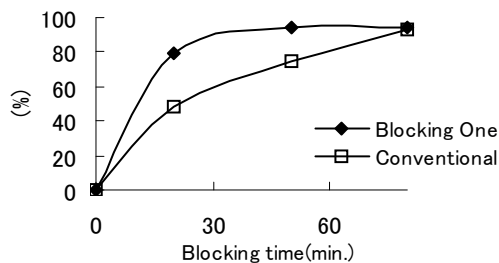


Fig.1 Blocking efficiency and reaction time

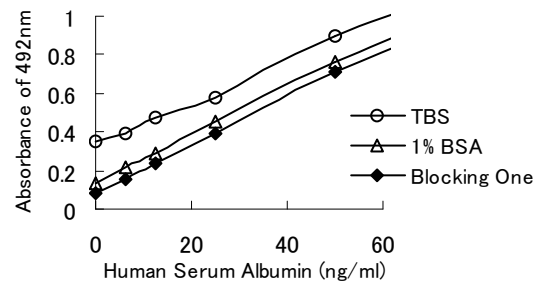


Fig.2 Determination of HSA

Preparation of the blocking solution

Blocking microplate for ELISA

Mix 32 ml deionized water and 8 ml Blocking One in a clean 50 ml beaker. (Ratio: deionized water : Blocking One = 4 : 1)

Dilution buffer of antibodies (For one microplate)

Mix 19 ml PBS or TBS containing 0.1 % Tween[®]20 (tPBS or tTBS) with 1 ml Blocking One in a clean 20 ml beaker. (Ratio: tPBS or tTBS : Blocking One = 19 : 1)

Blocking for immunoblotting membrane

Use Blocking One as it is.

Protocol

For blocking in 96 well microplate

Apply 350 µl prepared blocking solution with a micropipette into each well of the microplate and let it stand for 45 minutes at room temperature. Remove the blocking solution from the wells by turning the microplate upside-down. Apply 350µl tTBS into the wells of the microplate to rinse out the blocking solution. Repeat 3 times. The plate is ready for the antigen-antibody reaction.

For diluting of enzyme labeled antibody

Add the enzyme labeled antibody of predetermined quantity into the blocking solution diluted 20 times. Shake it carefully not to generate foam, and use it immediately. Activity of the enzyme labeled antibody after dilution or the sensitivity of ELISA test may decrease over time.

For blocking of immuno blotting membrane

For a membrane (approx. 10 cm x 10 cm), pour 50 ml Blocking One into a clean plastic tray. Immerse the membrane into the solution and shake it for approx. 30 minutes. The enzyme labeled antibody is recommended to be diluted with the product prepared as stated above " Dilution buffer of antibodies (For one microplate) ".

Caution

- Cross-reaction may occur when Avidin-Biotin detection is employed.
- Blocking One contains purified protein ingredient. In rare cases cross-reaction with the antibody may occur. Use Blocking One after confirmation of no cross-reaction.

Storage

Refrigerator

Expiration

Expiration date is stated on the product label.

Packing

100 ml (Product No.03953-66)

500 ml (Product No.03953-95)