proACE™ Blocking Solution

#GS26.0500 (500ml)
(FOR RESEARCH ONLY)

Product: proACE™ Blocking Solution is a blocking buffer for Western Blotting, ELISA and immunohistochemistry. It consists of high molecular weight compounds and bovine serum protein. This solution does not contain alkaline phosphatase (AP) inhibitors nor does it affect the activity of horseradish peroxidase (HRP). In rare occasions, cross-reaction may occur when Avidin-Biotin detection is employed or if a specific antibody binds to protein component of the blocking solution.

Quantity: #GS26.0500 contains 500ml of proACE™ Blocking Solution

Applications: Western Blotting, Immunoblotting, Immunohistochemistry, ELISA

Storage: Store at +4ºC for up to 2 years.

Protocol for ELISA

For blocking ELISA wells, dilute proACE™ Blocking Solution 5x with ddH_2O (for example mix 8ml of proACE™ Blocking Solution with 32ml of deionized water in a clean 50ml beaker). For the blocking step, pipet 350µl of the mixture in each well and allow to stand for 45min at room temperature. Remove the blocking mixture by inverting the microwell plate and wash 3-4x with 350µl TBS before proceeding to the antigen-antibody binding step.

If desired, the enzyme (AP/HRP)–labelled antibody can be applied in a 20x dilution of proACE™ Blocking Solution (for example: in 19ml of PBS (or TBS), containing 0.1% Tween20® mixed with 1ml of proACE™ Blocking Solution).

Protocol for Membrane Blotting

For blocking of membranes (Nitrocellulose, Nylon, PVDF), add the membrane in a plastic container and cover the membrane with undiluted proACE™ Blocking Solution. Incubate with shaking for approximately 30 min.

It is recommended to apply the enzyme-labelled antibody in diluted blocking solution as described above in the ELISA protocol.