

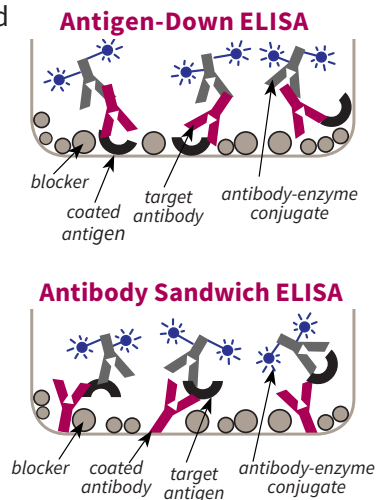
ELISA Blocking Buffer (Alkaline Phosphatase)

Reduces backgrounds using inert blockers for AP and ultra-sensitivity.

ELISA Blocking Buffer (Alkaline Phosphatase) is a novel non-protein blocking solution that does not contain phosphates. It is formulated for ELISAs using alkaline phosphatase detection and for assays with ultra-sensitivity requirements. The synthetic formulation avoids false positives associated with animal proteins (e.g., BSA) and eliminates non-specific background noise without the use of conventional protein additives. By depositing inert, non-reactive blocking molecules onto the plate, Blocking Buffer (Alkaline Phosphatase) reduces non-specific binding of enzyme-labeled conjugates to the microtiter plate, enhancing the sensitivity of the assay. It also stabilizes coated protein for improved retention of antigen epitope or antibody binding activity during long-term storage. Blocking Buffer (Alkaline Phosphatase) contains an antimicrobial agent for room temperature blocking of the plate and for long-term storage of the dried plate at 2-8°C.

ELISA Blocking Buffer (Alkaline Phosphatase) works on all types of polystyrene plates except Immulon® II microplates. When blocking with Blocking Buffer (Alkaline Phosphatase), LSBio recommends Corning® 96-Well EIA/RIA Stripwell™ microplates (catalog# LS-M42).

When preparing plates, the antibody or antigen is typically coated using 50-200 µL of coating solution per well. After coating, plates are normally washed to remove unbound proteins and then blocked using a larger volume of blocking buffer than was used for coating, such as 300 µL per well. This ensures that all uncoated regions inside the well are blocked. A 96-well plate blocked using this method will require 28.8 mL of blocking solution. Allow approximately 10% extra blocking buffer to account for losses during pipetting.



ELISA Blocking Buffer (Alkaline Phosphatase)

Size	Catalog#
100 mL	LS-M34-100
500 mL	LS-M34-500
1 L	LS-M34-1

INSTRUCTIONS:

1. ELISA plate (use coating buffer catalog# LS-M25 or LS-M33). Do not use Immulon® II plates.
2. Incubate 8-24 hours at room temperature.
3. Aspirate the coating solution.
4. Wash plate twice with ELISA Wash Buffer (catalog# LS-M27).
5. Block the uncoated regions of the ELISA plate by pipetting 300-400 µL of blocking buffer into each well. Always use a greater volume of blocking buffer than was used for the coating solution.
6. Incubate 8-24 hours.
7. Aspirate the blocking buffer.
8. Run the assay immediately, or dry the plate for long-term storage and seal in a foil bag with a desiccant pack.

For more ELISA protocols and information, please visit www.LSBio.com.

SPECIFICATIONS:

- Clear liquid
- 1X ready to use
- pH 7.1-7.5

STORAGE:

- 24 months at 2-8°C
- 1 week at room temperature

SAFETY & USAGE:

- Contains ≤0.1% sodium azide
- SDS available upon request
- Not for human or drug use
- For research use only



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