

/

DATA SHEET

Protein Blocking solution Ready-to-use for Immunohistochemistry (IHC) and Immunocytochemistry (ICC)

Catalog number: IHR-8121-15 Ready to use 15 ml
IHR-8121-50 Ready to use 50 ml

Description: Immunohistochemistry (IHC)/ Immunocytochemistry (ICC) is the localization of antigens by the use of antigens in tissue sections/cells by the use of labeled antibodies as specific reagents through antigen-antibody interactions that are visualized by a marker such as fluorescent dye, enzyme, radioactive element or colloidal gold. Several IHC techniques are commonly used: labeled biotin secondary antibody streptavidin-peroxidase (**LBSASP**), HRP anti-HRP, ABC, catalyzed signal amplification, polymer system and others, to detect antigens on tissue and cell. In this kit the first layer is unlabeled primary antibody, the second layer is biotinylated secondary antibody, the third layer is Enzyme-Streptavidin conjugate (HRP-Streptavidin) to replace the complex of avidin-biotin peroxidase. The enzyme is then visualized by application of the substrate chromogen solution to produce different colorimetric end products.

THIS PROTEIN BLOCKING SOLUTION, Does not contain any phosphate, therefore it is good for alkaline phosphatase assays.

IT IS READY TO USE REAGENT GOOD FOR ALL IHC KITS.

Intended Use: Immunohistochemistry (IHC) and Immunocytochemistry (ICC).

Procedure: IHC/ICC procedure for frozen sections, paraffin sections and cell smears.

1. Deparaffinize and hydrate tissue sections through xylene or other clearing agents and graded alcohols. (For frozen sections or cell smears; use unfixed, acetone fixed or appropriate fixative for the antigen in question; for cell smears it may be necessary to permeabilize the cell by detergent, please refer to antibody protocol)
2. Wash 2-3 with distilled or deionized water.
3. Incubate sections/cell smear in Endoblocker (#1) for 5-10 minutes at room temperature or 37°C.
Note: If antigen retriever is required it can be applied after this stage.
4. Wash slide with PBS or Tris saline (with 0.02-0.05% nonionic detergent, Triton X100, Tween 20 or NP-40) or washing buffer (Immuno Automation buffer IBSC cat # AR-6561) 3-5X
5. **Incubate sections/ cell smear in Protein blocking solution, for 10 minutes. at RT or 37°C**
6. Wash slide with PBS 1X.
7. *Follow instructions for IHC/ICC.*
- 8.

These are guide lines, the optimum incubation times for these reagents and reactions should be determined by the individual lab.

Limitation and warranty: Our warranty is limited to the actual price paid for the product. We are not liable for any property damage, personnel injury, time, effort or economic loss due to our product.

MSDS: This product contains 0.05 % sodium azide as a preservative, appropriate care should be taken in handling. National Institute of Occupational Safety and Health has warning that sodium azide can react with lead, copper, brass or solder in the plumbing system and forms hydrazoic acid in acidic condition. Discard with copious amount of water. Avoid skin and eye contact with all laboratory products. Use appropriate lab. gear, lab coat, gloves and safety glasses. Do not ingest any lab. products. This product is not approved for administration in human or animals.

For research use only; not for use in diagnostic procedures. FOR IN VITRO LABORATORY USE ONLY
“In vitro laboratory products for research”