ImmunoBioScience Corp. (IBSC) *DATA SHEET*Avidin/Biotin Blocking Kit Set (For use with Avidin/Biotin Detection system).

**Catalog number:** AR-6585-01 Ready to use Reagent A (Avidin) 15 ml (*Yellow color cap)*

 Ready to use Reagent B (Biotin) 15 ml *(Pink color cap)*

 AR-6585-02 Ready to use Reagent A (Avidin) 50 ml *(Yellow color cap)*

 Ready to use Reagent B (Biotin) 50 ml *(Pink color cap)*

**Description**: Some tissue sections contain endogenous biotin, biotin binding proteins, lectins or non-specific binding substances. Tissues may also bind avidin, biotin, peroxidase biotin, peroxidase streptavidin in avidin biotin based Immunohistochemistry. These tissues will give high background in the absence of biotinylated secondary antibodies. It may be necessary to block the tissue with avidin, followed by biotin. These reagents are added before the primary antibody.

**Intended Use**: Immunohistochemistry (IHC) and Immunocytchemistry (ICC), and immunoblots.

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

1. Deparafinize 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 permealize the cell by detergent, please refer to antibody protocol)**
2. Wash 2-3 with distilled or deionized water.
3. Wash slide with Tris/saline buffer, followed by blocking with normal blocking serum, rinse with buffer.
4. Block with reagent A (Avidin) for 5-10 minute, rinse with buffer.
5. Now block with reagent B (Biotin) for 5-10 minutes, wash thoroughly with buffer.

 **Note: If antigen retriever is required it can be applied after this stage.**

1. 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.

1. *Follow instructions for IHC/ICC.*

**Procedure for Immunoblots*:*** After protein blocking step, soak blot in avidin reagent A, diluted 1:20 with tris/saline buffer for 5-10 minute. Rinse blot with buffer; followed by soaking in diluted biotin reagent B (diluted 1:20) for 5-10 minutes. Rinse with buffer.

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

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**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 pluming 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.

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