1-Step™ NBT/BCIP plus Suppressor

Number Description
34070 1-Step NBT/BCIP plus Suppressor, 100mL of substrate containing 1mM levamisole

Storage: Upon receipt store at 4°C. Product is shipped with an ice pack.

Introduction
The Thermo Scientific 1-Step NBT/BCIP plus Suppressor is a one-component alkaline phosphatase substrate that inhibits endogenous phosphatase activity. This substrate reacts with calf intestinal alkaline phosphatase to produce a dark purple precipitate and is ideal for immunohistochemistry and in situ hybridization applications. Two forms of alkaline phosphatase exist in mammals: one form is distributed in a variety of tissues such as the kidney, liver, placenta, bone and tumor; the other form resides in the intestine. These two forms are affected differently by inhibitors. Levamisole added to the substrate inhibits endogenous non-intestinal alkaline phosphatases but does not affect the intestinal form commonly used as a detection label.

Note: Levamisole-resistant alkaline phosphatase has been detected in four different types of tumor cells.

Procedure for Immunohistochemical Staining
1. Block nonspecific sites in the tissues with normal serum or other blocking buffer such as Thermo Scientific SuperBlock Blocking Buffer in TBS (Product No. 37535) for 30 minutes at room temperature in a humidity chamber. Drain the blocking buffer but do not remove excess.
2. Incubate tissues with primary antibody for 30 minutes at room temperature in a humidity chamber.
3. Wash tissues in Tris-buffered saline (TBS) for 3 minutes. Repeat wash step. Remove excess wash buffer.
4. Incubate tissues with alkaline phosphatase conjugated secondary antibody for 30 minutes at room temperature in a humidity chamber.
5. Wash tissues with TBS for 3 minutes. Repeat wash step. Remove excess wash buffer.
6. Mix the 1-Step NBT/BCIP plus Suppressor and add it to the tissue until desired stain develops.
7. Rinse slides with water.

General References
This product (“Product”) is warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Product documentation, specifications and/or accompanying package inserts (“Documentation”) and to be free from defects in material and workmanship. Unless otherwise expressly authorized in writing, Products are supplied for research use only. No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the original purchaser of the Product (“Buyer”).

No other warranties, express or implied, are granted, including without limitation, implied warranties of merchantability, fitness for any particular purpose, or non infringement. Buyer’s exclusive remedy for non-conforming Products during the warranty period is limited to replacement of or refund for the non-conforming Product(s).

There is no obligation to replace Products as the result of (i) accident, disaster or event of force majeure, (ii) misuse, fault or negligence of or by Buyer, (iii) use of the Products in a manner for which they were not designed, or (iv) improper storage and handling of the Products.

Current product instructions are available at www.thermoscientific.com/pierce. For a faxed copy, call 800-874-3723 or contact your local distributor.

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