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## BCIP/NBT Solution

### Blotting & IHC Alkaline Phosphatase substrate

for Western blotting or staining applications

#### BCIP/NBT Solution

099851 100 ml  
099858 1L

#### Product Description

The Uptima BCIP/NBT solution substrate is a one component chromogenic substrate for immobilized Alkaline Phosphatase (AP) optimized for Western Blotting. It could be used in other blotting and immunohistology techniques, where AP is used as detecting label that is bound to membranes (nitrocellulose, PVDF...) or immobilized cells. AP from biological specimens can also be detected by IHC.

Uptima BCIP/NBT solution is conditioned in a single vial containing a mix of 5-Bromo-4-Chloro-3'-IndolylPhosphate pToluidine (BCIP), Nitro-Blue Tetrazolium Chloride (NBT), and stabilizers. The solution develops in presence of AP a dark blue/purple colour that precipitates at the site of reaction. The intense blue/purple precipitate is very stable and resists to fading when exposed to light. This substrate is the ideal choice for accurate, sensitive results in Western Blotting and IHC. Other substrates of AP for IHC or for ELISA are available as well from Uptima.

|                    |   |
|--------------------|---|
| <b>Sensitivity</b> | Compared to competitors, the stability and sensitivity are greatly improved (special formulation) |
| <b>Stability</b>   | The BCIP/NBT solution substrate is stable 1 year from date purchase, and 6 months after opening   |
| <b>Storage</b>     | +4°C protected from light. (L)  |

#### Directions for use

##### Protocol for Western Blot

1. Wash the blot to remove unbound antibodies.  
*Note : Unsufficient washes may cause some back ground.*
2. Remove the excess of buffer  
*Note: Insufficient draining of the blot may alter substrate performance. A quick rinsing with a pH 9.5 buffer can be useful.*
3. Add ready-to-use BCIP/NBT solution to cover well the blot.  
*Note : Unsufficient volume may cause back ground on some area of the blot.*
4. Incubate 10-15 min at room temperature or until desired stain development.
5. Rinse the blot twice or 3 times with water.
6. Allow the blot to dry to the air for data acquisition or storage.

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## Protocol for IHC

Protocols can be found in the literature or be adapted from above.

## Related products

- Other AP Substrates - chromogenic pNPP powder (#UP89562), tablets (#UP89562, #UP73250), kits (#BP708), and pNPP solution for ELISA (UP66478)  
AP-Blue [490-650nm] (#BC013) and AP-Red [450-550nm] (#CB014)
- Other AP Substrates - fluorogenic FDP powder and kit (#HT079)
- Other AP Substrates - Luminometric Alkaline Phosphatase Assay Kit # JQ6760
- See our our AP-labeled secondary antibodies and streptavidin, buffers and saturant
- Phosphate assay kit #IS2790 (based on molybdate and malachite green dye; 600-660nm reading)

## Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.

Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

[Order on-line](#) or [Contact](#) your local distributor

**Disclaimer :** Materials from Uptima are sold **for research use only**, and are not intended for food, drug, household, or cosmetic uses. Uptima is not liable for any damage resulting from handling or contact with this product.

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