

Datasheet for NBT-100**BCIP/NBT Membrane Alkaline Phosphatase Substrate****Overview**

Description:	BCIP/NBT Membrane Alkaline Phosphatase Substrate - NBT-100
Item No.:	NBT-100
Size:	100 mL
Applications:	IHC, WB

Product Details

Background:	BCIP/NBT (5-Bromo-4-chloro-3'-indolylphosphate p-toluidine salt/Nitro blue tetrazolium chloride) is utilized in combination as a chromogenic substrate for alkaline phosphatase (AP) in various applications, including WB and IHC. The reaction produces an insoluble dark purple/blue precipitate. This substrate is particularly useful for chromogenic detection in blotting and in situ hybridization assays due to its high sensitivity and resolution.
Synonyms:	5-Bromo-4-chloro-3-indonyl phosphate, X-phosphate, XP, Nitro-blue-tetrazolium chloride, Alkaline Phosphatase Substrate for Membranes, Alkaline Phosphatase Western Blot Substrate

Target Details

Purity/Specificity:	pH: 9.28 +/- 0.1 QC Raw Material: PASS Absorbance check of final product: PASS Performance Data per Immunoblot: PASS
Relevant Links:	SDS

Application Details

Tested Applications:	IHC, WB
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Application Note: BCIP/NBT Alkaline Phosphatase Membrane Substrate is a useful detection reagent for immunoblotting. The substrate is ready to use. To use: Wash the membrane after incubation with the alkaline phosphatase conjugate secondary reagent. Apply sufficient substrate to cover the membrane. Color (purple-turquoise, varies with pH) will develop within 30 minutes. Wash, dry membrane and image.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

WB: 1X

Formulation

Physical State: Liquid - clear to pale yellow

Concentration: 1X

Stabilizer: Proprietary buffer with enhancer

Shipping & Handling

Shipping Condition: Ambient

Storage Condition: Store container at 4° C prior to opening. Protect BCIP/NBT Membrane Alkaline Phosphatase Substrate from moisture and light. No special shipping conditions or precautions are required.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Bottle

BCIP/NBT MEMBRANE ALKALINE PHOSPHATASE SUBSTRATE

References

- Barsky SH et al. Bone Marrow Origin of Mammary Phagocytic Intraductal Macrophages (Foam Cells). *Int J Mol Sci.* (2025)

Disclaimer

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