

MP Biomedicals, LLC.

29525 Fountain Parkway
Solon, Ohio 44139

Telephone: 440/337-1200

Toll Free: 800/854-0530

Fax: 440/337-1180



mailto:biotech@mpbio.com

web: www.mpbio.com

ImmunO™

BCIP/NBT, Stable Alkaline Phosphatase Substrate

Catalog #: 98062

Lot #: M3019

Description: BCIP/NBT (5-bromo-4-chloro-3-indoyl-phosphate/p-nitro-blue tetrazolium chloride in a proprietary buffer and enhancer) is considered one of the most sensitive substrate chromogens available for blotting techniques in situ hybridization chemistry.^{1,2} Proprietary production techniques have made possible a unique BCIP/NBT reagent that is stable at room temperature and more sensitive than existing formulations.

Uses: This reagent may be used to localize alkaline phosphatase enzyme probes in Western, Northern, Southern and dot blotting procedures.

Protocol: Apply reagent directly to the membrane (the reagent is ready to use; do not dilute). Allow to incubate 10 to 15 minutes at room temperature. Optimal incubation times should be established for each specific protocol. Terminate the reaction by rinsing with deionized water. Less incubation time is likely if biotin-streptavidin enhanced signaling is used.

Storage: Store at +2-8°C.

References: 1. Leary, J.J., et al., *Proc. Nat. Acad. Sci. USA*, **80**, 4045, 1983.

2. Chan, V.T-W., et al., *Nucleic Acid Res.*, **13**, 8083, 1985.

A handwritten signature in black ink that reads 'Christina Marotta'.

Approved by: Christina Marotta
Quality Control Director

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