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TECHNICAL PRODUCT SUMMARY

BCIP/NBT Substrate

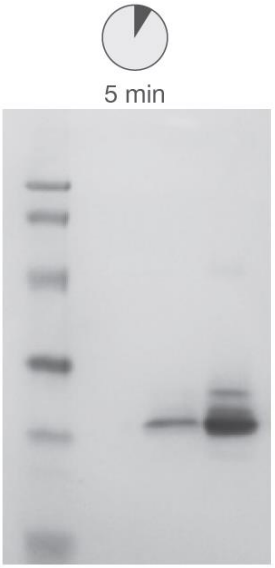
One-Component Alkaline Phosphatase Substrate

BCIP/NBT

Cat. No.	Description	Source	Applications
B0522	BCIP/NBT	Synthetic	Dot Blot, Western Blot, PCR, & other alkaline phosphatase-based assay systems

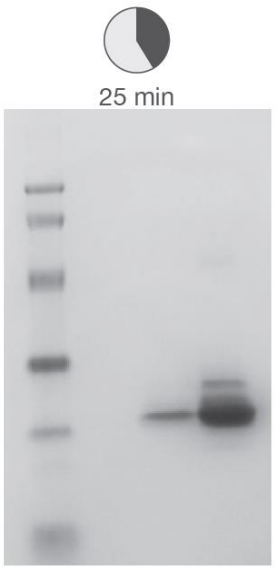
5X FASTER THAN TWO-COMPONENT SUBSTRATE

Reaction A
Scripps Laboratories' BCIP/NBT One-Step Substrate



Reaction A stopped & results read at 5 mins

Reaction B
Leading Vendor's BCIP/NBT Two-Step Substrate



Reaction B stopped & results read at 25 mins

Western blot of PSA (cat. no. P0725, ≥99%), identified with anti-PSA monoclonal antibody (cat. no. MP077) clone BP005S and stained with goat anti-mouse IgG:alkaline phosphatase conjugate. Load sizes were 0.2 µg and 1.5 µg.

Intended Use: All Products are for Research Use or Further Manufacture Only. Not for Use in Diagnostic Procedures.

BCIP/NBT Substrate

BCIP/NBT Substrate is a ready-to-use single component substrate intended for the detection of alkaline phosphatase-labeled probes on membranes (e.g. PCR, western blot, dot blot, etc.). The substrate is a stabilized formulation of BCIP (5-bromo-4-Chloro-3-Indoly-Phosphate-p-toluidine) and NBT (NitroBlue Tetrazolium chloride). This solution may be used in blot applications as a substitute for 2-component substrates. After incubating with the alkaline phosphatase-labeled probe and washing with Tris buffer, add substrate to completely cover the membrane. Incubate membrane until a sufficient color intensity appears (typically 5 - 20 minutes) and stop the reaction by thoroughly washing with distilled or deionized water.

Precaution

Do Not Dilute! Solution is provided "ready-to-use" and may not perform correctly if diluted. The substrate is light sensitive and must be protected from light during incubation with the alkaline phosphatase-labeled probe.

ISO 9001:2015