

Product datasheet

NBT / BCIP Solution - Ready to Use Alkaline Phosphatase chromogen ab7468

3 References

Overview

Product name	NBT / BCIP Solution - Ready to Use Alkaline Phosphatase chromogen
Tested applications	Suitable for: WB, Dot blot
General notes	<p>NBT / BCIP chromogen (ab7468): a sensitive substrate for alkaline phosphatase detection in immunoblotting. Ready to use formulation.</p> <p>BCIP: 5-bromo-4-chloro-3-indolyl phosphate NBT: p-nitroblue tetrazolium chloride.</p> <p>This product used to be called "Alkaline phosphatase detection kit (BCIP/NBT)".</p> <p>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.</p> <p>NBT / BCIP Solution - Ready to Use Alkaline Phosphatase chromogen is an artificially manufactured chromogenic substrate for use in sensitive colorimetric assays. Alkaline phosphatase hydrolyzes the BCIP to 5-bromo-4-chloro-3-indole, which is oxidized by oxygen in the atmosphere, yielding a blue dye. In the presence of NBT, an insoluble dark blue precipitate is formed after a reduction reaction instead.</p>

Properties

Form	Liquid
Storage instructions	Store at +4°C.
Storage buffer	Constituents: 0.09% NBT, 0.09% 5-bromo-4-chloro-3-indolyl-phosphate-p-toluidine salt

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab7468 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes

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WB		1/1. Ready to use formulation. BCIP/NBT system is based on hydrolysis of BCIP and reduction of NBT producing a deep purple reaction product. Reaction is several times more sensitive than existing products with little or no background staining. The reaction product is extremely stable and does not fade when exposed to light.
Dot blot		1/1. Ready to use formulation.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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