

# Product Datasheet

## BLUE AP Plus Staining Kit (Colorimetric) NBP3-12171

Unit Size: 30 ml

Store at 4C.

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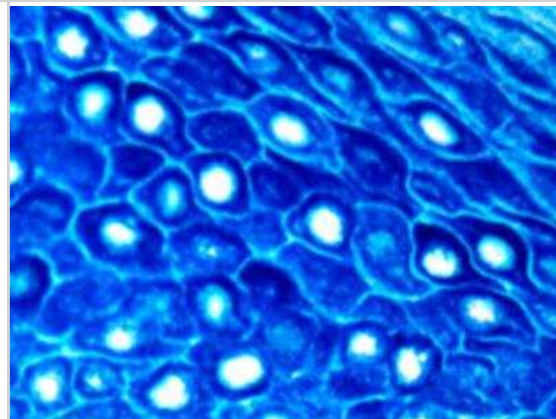
**NBP3-12171****BLUE AP Plus Staining Kit (Colorimetric)**

| <b>Product Information</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Unit Size</b>                   | 30 ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Concentration</b>               | Concentration is not relevant for this product. Please see the protocols for proper use of this product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Storage</b>                     | Store at 4C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Product Description</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>                 | <p>Prepare the Following Solutions Before Use</p> <ol style="list-style-type: none"> <li>1. Aliquot 1mL of BLUE AP Plus Substrate Buffer in a mixing bottle.</li> <li>2. Add one drop (~20ul) of concentrated BLUE AP Plus Chromogen solution.</li> <li>3. Replace tip, mix, and allow solution to reach room temperature before using.</li> </ol> <p>Note: The BLUE AP Plus chromogen-substrate working solution is light sensitive and should be kept away from light as much as possible. Working solution is stable for up to 6 hours in the dark; any solution not used during this period should be discarded. For optimal staining, use freshly made solution.</p> <p>Staining Procedure</p> <ol style="list-style-type: none"> <li>1. Once sections have been incubated with alkaline phosphatase, wash sections with wash buffer then follow protocol of choice:             <ol style="list-style-type: none"> <li>a) Pre-Mix Working Solution: (Automation) BLUE AP Plus working solution has 6 hour stability and can be loaded directly onto instrument as a single solution. Reduce exposure to light to achieve optimal staining. Working solution is applied directly to slide. Incubate for 10 - 20 min</li> <li>b) On Board Mixing: (Automation) Instruments that have onboard mixing capability can load the chromogen and substrate-buffer components independently. Working solution is made mixing reagents 1:50 in on-board mixing station before application to slide. Incubate for 10 - 20 min.</li> <li>c) Manual Use: Mix substrate-chromogen and buffer in a 1:50 ratio and apply directly to slide. Incubate 10 - 20 min.</li> </ol> </li> <li>2. Counterstain with Hematoxylin or Nuclear Fast Red for good contrast. Wash with DI H<sub>2</sub>O followed by immuno wash buffer.</li> <li>3. We recommend air drying slides (instead of dehydrating or clearing in alcohol and xylene-substitute). After rinsing off counterstain in DI H<sub>2</sub>O, leave slides on benchtop for at least 20 minutes to air dry, and then permanently mount.</li> <li>4. Alternatively, you may dehydrate sections in increasing concentrations of ethanol up to 100%, clear in a xylenesubstitute*, and mount with a permanent mounting medium.</li> </ol> <p>*Notes: Use xylene-substitute instead of xylene.<br/> Recommendation: For best color preservation and long term slide storage, we recommend to use Tissue Preservation Solution - HRP/AP assays after counterstaining.</p> |
| <b>Kit Components</b>              | BLUE AP Plus Substrate Buffer 30 mL, BLUE AP Plus Chromogen 1 mL, Empty Mixing Bottle 1 mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Product Application Details</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>                | Immunohistochemistry, Immunohistochemistry-Paraffin, In-situ Hybridization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Recommended Dilutions</b>       | Immunohistochemistry, Immunohistochemistry-Paraffin, In-situ Hybridization                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |



## Images

Immunohistochemistry-Paraffin: BLUE AP Plus Staining Kit (Colorimetric) [NBP3-12171] - Formalin fixed paraffin embedded human tonsil stained with Cytokeratin H.M.W antibody labeled with BLUE AP Plus Chromogen (NBP3-12171) produces a distinct bright blue color.





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Kits are guaranteed for 6 months from date of receipt.

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