

# Product Datasheet

## Kallikrein 3/PSA Antibody (1A7) [CoraFluor™ 1] NBP2-47968CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NBP2-47968CL1**

Kallikrein 3/PSA Antibody (1A7) [CoraFluor™ 1]

| <b>Product Information</b>     |  |
|--------------------------------|--|
| <b>Unit Size</b>               | 0.1 ml   |
| <b>Concentration</b>           | Please see the vial label for concentration. If unlisted please contact technical services.  |
| <b>Storage</b>                 | Store at 4C in the dark. Do not freeze.  |
| <b>Clonality</b>               | Monoclonal   |
| <b>Clone</b>                   | 1A7  |
| <b>Preservative</b>            | No Preservative  |
| <b>Isotype</b>                 | IgG1 Kappa   |
| <b>Conjugate</b>               | CoraFluor 1  |
| <b>Purity</b>                  | Protein A or G purified  |
| <b>Buffer</b>                  | PBS  |
| <b>Product Description</b>     |  |
| <b>Description</b>             | <p>CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(TM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.</p> <p><a href="#">CoraFluor(TM) 1, amine reactive</a></p> <p><a href="#">CoraFluor(TM) 1, thiol reactive</a></p> <p>For more information, please see our <a href="#">CoraFluor(TM) TR-FRET technology flyer</a>.</p> |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 354  |
| <b>Gene Symbol</b>             | KLK3   |
| <b>Species</b>                 | Human, Feline  |
| <b>Specificity/Sensitivity</b> | Recognizes a single protein of 33-34kDa, identified as the prostate specific antigen (PSA). This monoclonal antibody is highly specific to PSA and stains prostatic secretory and ductal epithelium in both normal and neoplastic tissues. PSA is a chymotrypsin-like serine protease (kallikrein family) exclusively produced by the prostate epithelium, and abundant in seminal fluid. PSA can be detected in the sera of patients with prostatic carcinoma. It is predominantly complexed to a liver-derived serine protease inhibitor, alpha-1-antichymotrypsin (ACT). A higher proportion of serum PSA is complexed to ACT in prostate cancer than in benign prostate hyperplasia. This monoclonal antibody makes an excellent pair with monoclonal antibody A67-B/E3 for PSA tests.   |
| <b>Immunogen</b>               | Kallikrein 3/PSA from human sperm plasma (Uniprot: P07288)   |
| <b>Notes</b>                   | CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254  |



| <b>Product Application Details</b> |   |
|------------------------------------|---|
| <b>Applications</b>                | Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/<br>Immunofluorescence, Immunohistochemistry, CyTOF-ready,<br>Immunofluorescence |
| <b>Recommended Dilutions</b>       | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/<br>Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence,<br>CyTOF-ready |
| <b>Application Notes</b>           | Optimal dilution of this antibody should be experimentally determined.  |





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### **Products Related to NBP2-47968CL1**

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|                |  |
|----------------|--|
| NBP2-61380-1mg | Recombinant Human Kallikrein 3/PSA Protein |
| M6000B-1       | IL-6 [HRP]                                 |
| DKK300         | Kallikrein 3/PSA [HRP]                     |
| AF262          | Amphiregulin Antibody                      |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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