

NaveniBright™ BOND RX

ILLUMINATING FUNCTION IN SPATIAL PROTEOMICS

Automated detection of protein-protein interactions and post-translational modifications *in situ*

The NaveniBright™ BOND RX introduces a novel product line, seamlessly integrating chromogenic readout automation on the BOND RX Fully Automated Research Stainer. This *in situ* kit is meticulously crafted based on our cutting-edge Naveni® *in situ* proximity ligation technology, offering flexibility tailored to your unique primary antibodies and targets.

NaveniBright™ BOND RX enables you to:

- Detect protein-protein interactions, post-translational modifications, and/or specific protein targets efficiently using the BOND RX Fully Automated Research Stainer.
- Achieve high throughput and enhance your research efficiency and reproducibility through a seamlessly integrated automated workflow on the BOND RX Fully Automated Research Stainer.
- Save valuable time with the automated workflow, reducing hands-on time, and maximizing overall research productivity.



In partnership with Leica Biosystems

For additional information and images, read more on navinci.se/technology/naveni-bond

 Navinci

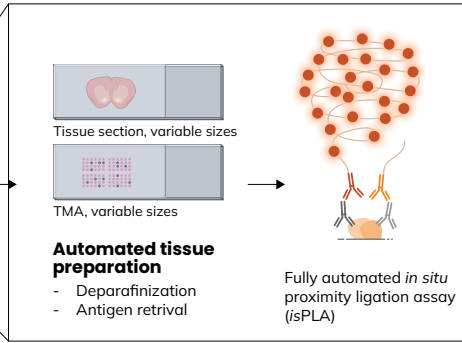
Insert
NaveniBright™ BOND RX, or
NaveniBright™ PD1/PD-L1
BOND RX



Load up to 30 samples
in one go



**BOND RX/RX™ Fully
Automated Research
Stainer**



No manual intervention needed
9.5 hours total time. Run overnight or start in the morning.

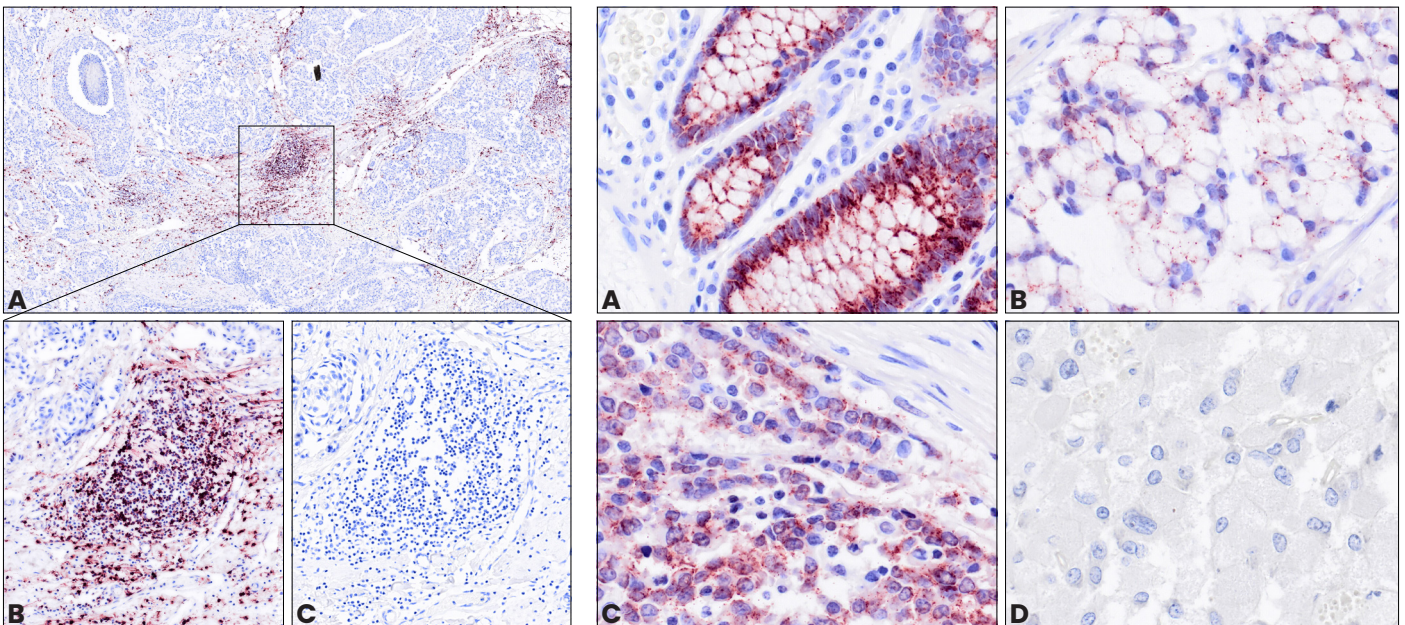
**Bright-field
microscopy**



Aperio GT 450
Automated,
High-Capacity Digital
Pathology Slide
Scanner

How it works

The NaveniBright™ BOND RX kit includes two Navenibodies with proprietary oligo arms (orange in the illustration), targeting mouse and rabbit primary antibodies. When in close proximity, they trigger a rolling circle amplification reaction, creating a distinct dot. The kit is validated across diverse FFPE tissues, five interaction assays (PD1/PD-L1, CD8/MHC-I, Mesothelin/Mucin, E-Cadherin/Beta-Catenin, Zap70/Lat), and a dual recognition assay (HER2/HER2). Comparative analysis at three research sites confirms its robust performance.



Staining of CD8/MHC-I interaction in breast cancer. A) Zoom in, B) zoom out, C) technical negative control.

Staining of E-cadherin/Beta-catenin interaction in a TMA, A) Normal colon, B) Signet-ring cell carcinoma, C) Carcinoid tumor D) Adrenal gland (biological negative control).

Available from Navinci

Catalog nr	Kit	Target	Description
60031	NaveniBright BOND RX	Your choice, use primary antibodies with host origin of mouse and rabbit	Anti-mouse Navenibody Anti-rabbit Navenibody Buffers for blocking and dilutions and detection reagents Reagents sufficient for 30 FFPE tissue slides, including dead volumes*
60032	NaveniBright PD1/PD-L1 BOND RX	Human PD1/PD-L1 interaction	Navenibody targeting human PD1 protein based on clone EH33 CST Navenibody targeting human PD-L1 protein based on clone SP142 Abcam RabMAb® Buffers for blocking and dilutions and detection reagents for the PD1/PD-L1 interaction signal Reagents sufficient for 30 FFPE tissue slides, including dead volumes*

*additional reagents required, read more on navinci.se/technology/naveni-bond
Research use only, not for use in diagnostic procedures