NaveniFlex™ BOND RX Atto647N/Red

ILLUMINATING FUNCTION IN SPATIAL PROTEOMICS

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

The NaveniFlex BOND RX Atto647N/Red allows the automation of the Naveni® *is*PLA with fluorescence readout on the BOND RX/RX^m Fully Automated Research Stainer. These *in situ* kits are meticulously crafted based on our cutting-edge Naveni® *in situ* proximity ligation technology, offering you the flexibility to use your own primary antibodies to detect your unique targets.

Unlock the full potential of NaveniFlex BOND RX:

Precision in Protein Analysis: Detect protein-protein interactions, post-translational modifications, and/or specific protein targets efficiently using the Fully Automated Research Stainer BOND RX/RX^m.

Seamless Automation for High Throughput: Achieve high throughput and enhance your research efficiency and reproducibility through a seamlessly integrated automated workflow on the BOND RX/RX^m.

Maximize Efficiency, Minimize Hands-On Time: Save valuable time with the automated workflow and maximizing overall research productivity.

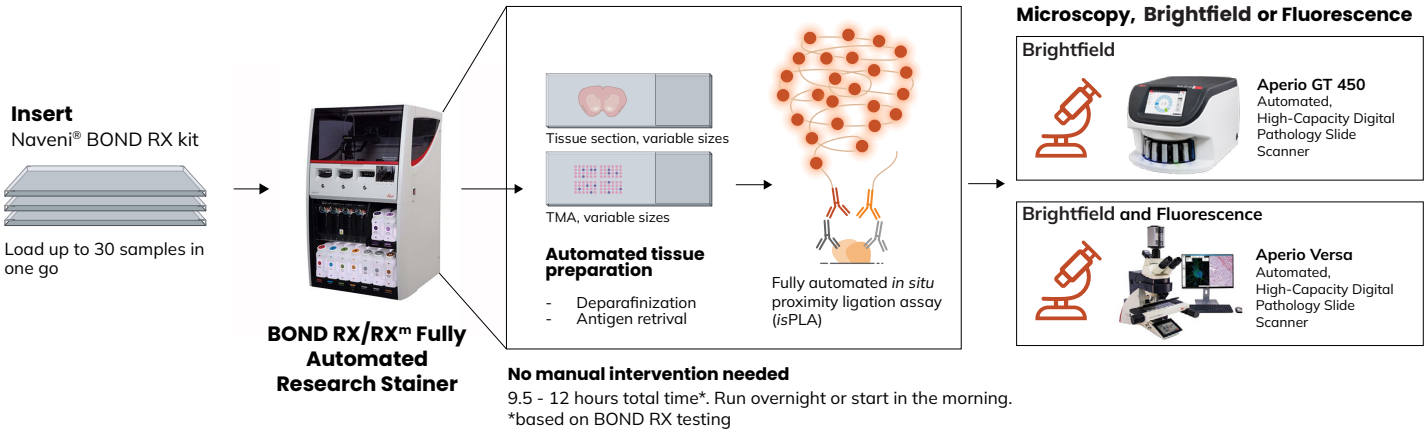
Image: Staining of FFPE colon cancer tissue, E-Cadherin/β-Catenin (yellow) and nuclear stain with DAPI (blue).

In partnership with Leica Biosystems

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



Navinci

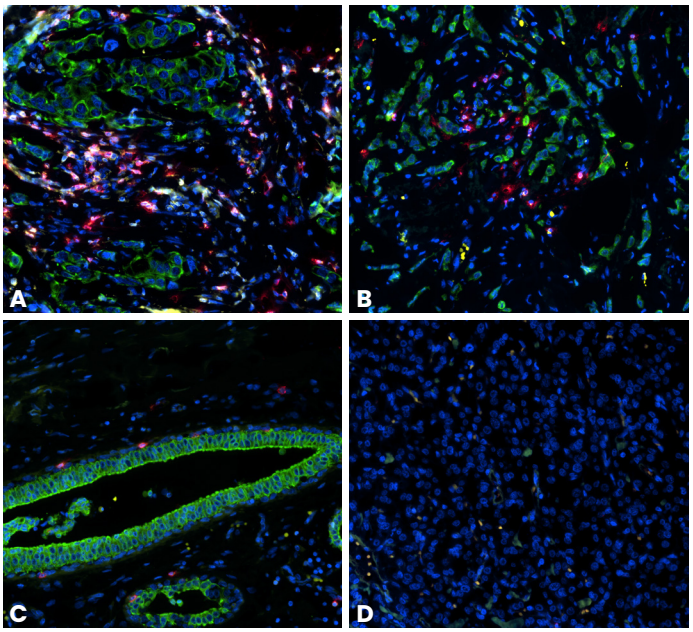


No manual intervention needed
9.5 - 12 hours total time*. Run overnight or start in the morning.
*based on BOND RX testing

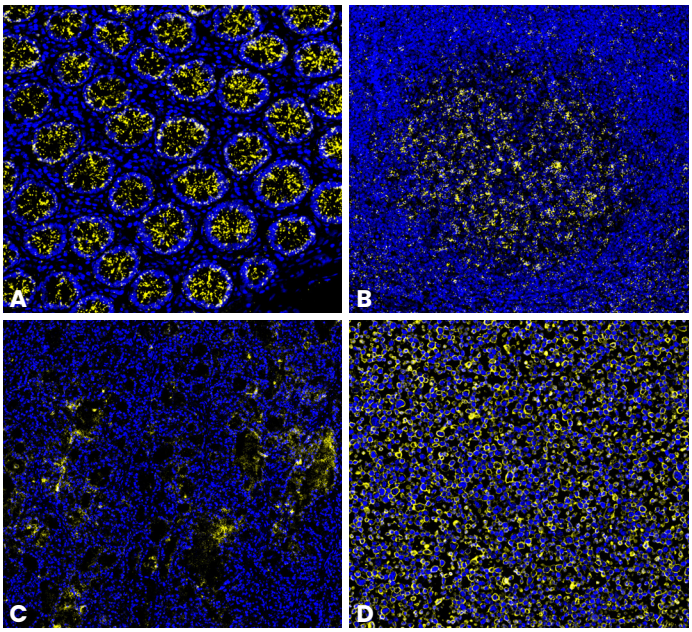
The NaveniFlex BOND RX kits contain two Navenibodies with proprietary oligo arms (orange antibodies in the illustration), targeting primary antibodies from mouse and rabbit. Only when in close proximity do they trigger a rolling circle amplification reaction, producing a strong, distinct signal.

The kit has been rigorously validated across diverse FFPE tissues and six assays (PD1/PD-L1, CD8/MHC-I, Mesothelin/Mucin, E-Cadherin/Beta-Catenin, Zap70/LAT, and HER2/HER2). Validation included extensive comparative analysis at three research sites, ensuring robust performance across various settings.

A chromogenic version is also available: NaveniBright BOND RX.



Staining of CD8/MHC-I interaction (red), CD3 (yellow), pan-cytokeratin (green), nuclear stain (DAPI-blue) in a TMA, A) Breast cancer, B) breast cancer, C) healthy breast tissue, D) Adrenal gland (biological negative control).



A) Staining of B-catenin/E-cadherin interaction in healthy colon tissue, B) Zap70/LAT interaction in tonsil tissue, C) Mesothelin/Mucin interaction in ovarian cancer tissue, D) staining of HER2/HER2 single protein in BT474 cell line.

Available from Navinci

Catalog nr	Kit	Target	Readout	Description
60009/60010	NaveniFlex BOND RX Atto647N/Red	Your choice, use mouse and rabbit primary antibodies	Fluorescence	Anti-mouse Navenibody Anti-rabbit Navenibody Buffers for blocking and dilutions and detection reagents Reagents sufficient for 30 FFPE tissue slides, including dead volumes*
60011/60012	Naveni PD1/ PD-L1 BOND RX Atto647N/Red	Human PD1/PD-L1 interaction	Fluorescence	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 at navinci.se/technology/naveni-bond
Research use only, not for use in diagnostic procedures

Leica BIOSYSTEMS **In partnership with Leica Biosystems**

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