Naveni® PD1/PD-L1 BOND RX Atto647N/Red

ILLUMINATING FUNCTION IN SPATIAL PROTEOMICS

Automated detection of PD1/PD-L1 interactions *in situ* using fluorescence

Successful patient stratification is key for optimizing response to treatment in immune checkpoint inhibition therapy. Naveni® PD1/PD-L1 BOND Atto647N/Red is the first automated fluorescent assay for *in situ* detection of PD-1/PD-L1 interactions, enabling deeper immune profiling and insights into protein function and interaction in the tumor microenvironment landscape and signaling pathways. Launched in collaboration with Leica Biosystems, the Naveni® PD1/PD-L1 BOND RX Atto647N/Red offers enhanced reproducibility and throughput.

Naveni® PD1/PD-L1 BOND RX Atto647N/Red enables you to:

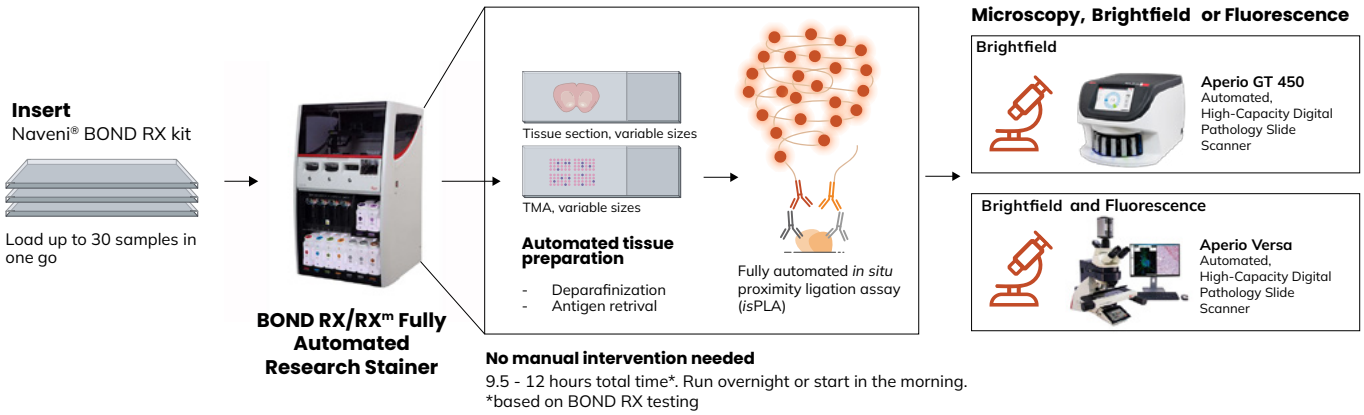
- Visualize PD1/PD-L1 interactions within the tumor microenvironment.
- Gain deeper insights into PD1/PD-L1 signaling pathways and the immune landscape.
- Increase efficiency and reproducibility with an automated, streamlined workflow.
- Save time and increase productivity by minimizing hands-on steps.

Image: PD1/PD-L1 interaction (yellow) visualized with Naveni® PD1/PD-L1 BOND Atto647N in lung squamous cell carcinoma tissue, co-staining with pan-cytokeratin (purple) and nuclear stain in DAPI (gray).

In partnership with Leica Biosystems

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

Navinci

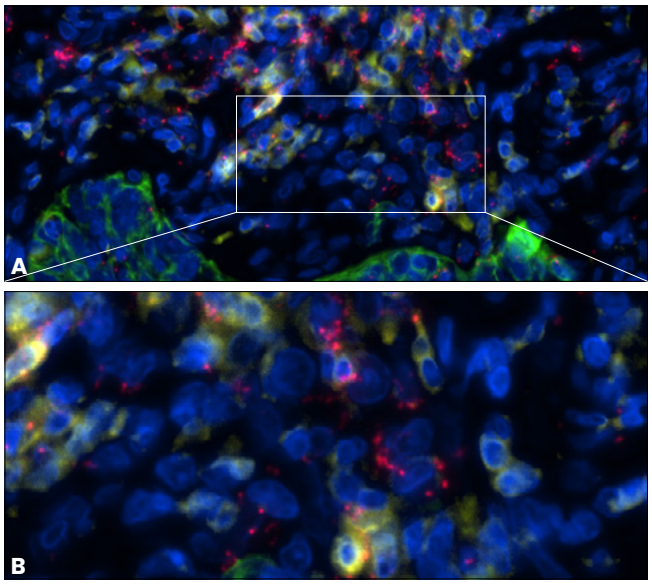


No manual intervention needed
9.5 - 12 hours total time*. Run overnight or start in the morning.
*based on BOND RX testing

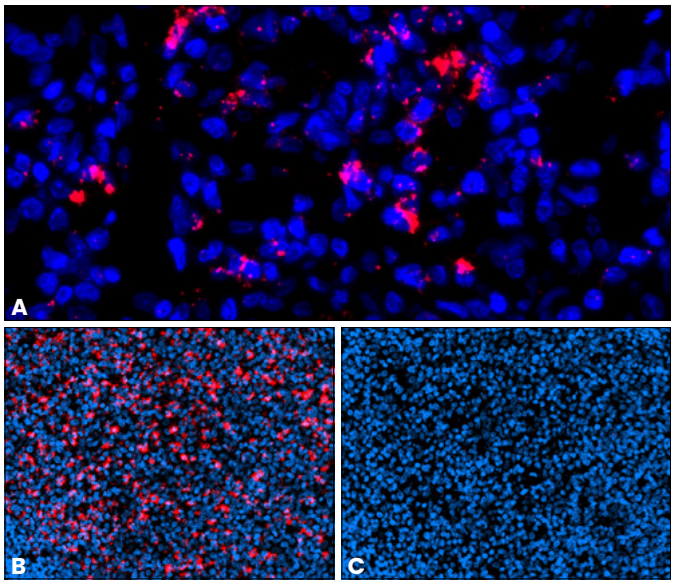
How it works

Based on Naveni® *in situ* proximity ligation technology, this kit includes primary antibodies and two Navenibodies (orange in the illustration). When in close proximity, they trigger a rolling circle amplification reaction, generating a distinct signal. Optimized and validated for the BOND RX/RXm Fully Automated Research Stainer by Leica Biosystems, the kit has been thoroughly tested across diverse FFPE tissues and three research sites, ensuring reliable performance across different experimental settings.

A chromogenic version is also available: NaveniBright PD1/PD-L1 BOND RX.



A) PD1/PD-L1 interaction (red) visualized in lung squamous cell carcinoma FFPE tissue, co-staining with pan-cytokeratin (green), CD3 (yellow) and nuclear stain in DAPI (blue). B) shows zoom in of A).



PD1/PD-L1 interaction in A) Head and neck cancer, B) healthy tonsil tissue, C) technical negative control: no primary antibodies.

Catalog nr	Kit	Target	Read out	Description
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*
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*

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

For research use only.
Not for use in diagnostic or therapeutic procedures.