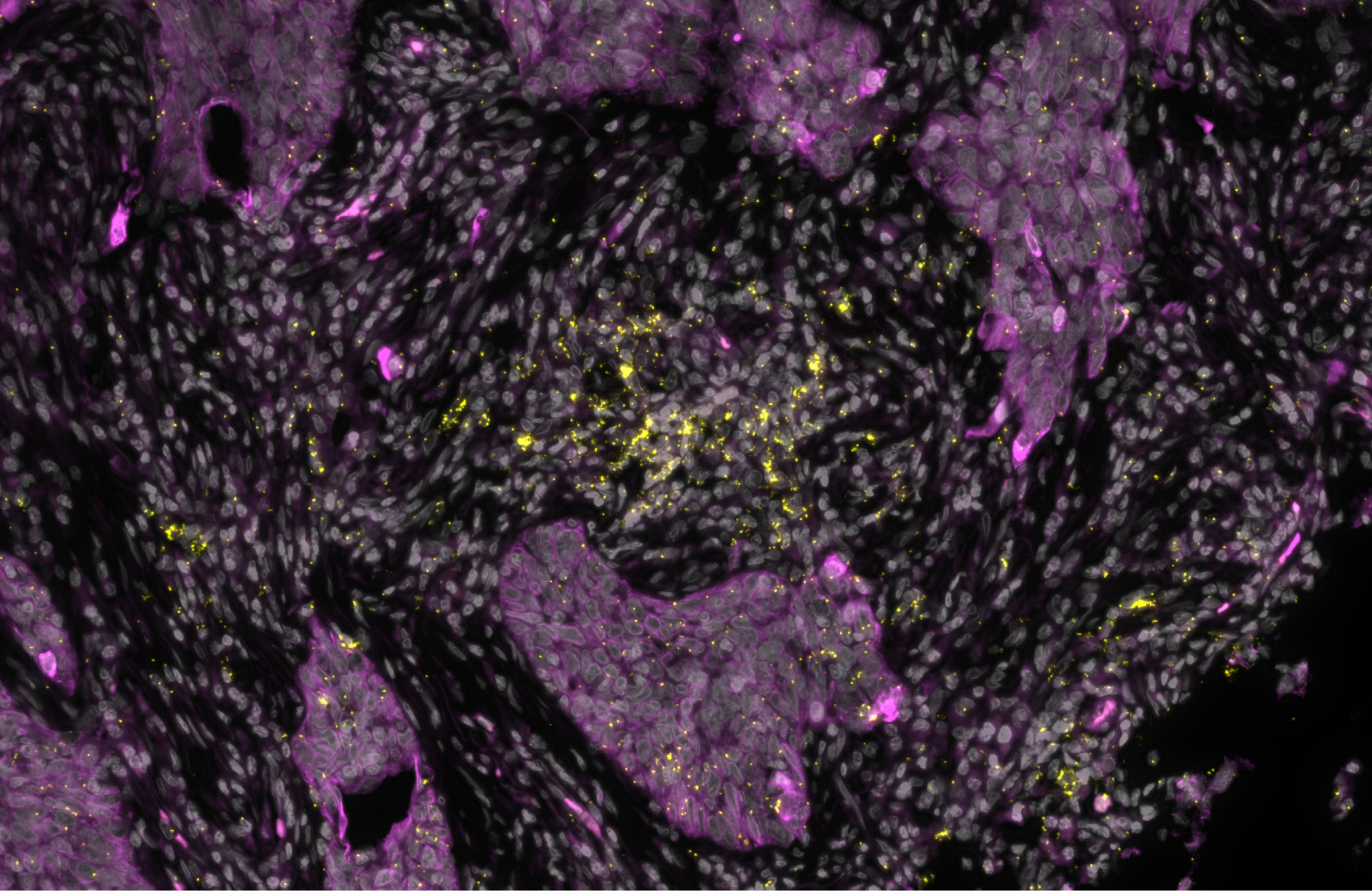


PD1/PD-L1 interaction (yellow) visualized with Naveni® BOND PD1/PD-L1 Atto647N in lung squamous cell cancer tissue, co-staining with pan-cytokeratin (purple) and nuclear stain in DAPI (gray).

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

ILLUMINATING FUNCTION IN SPATIAL PROTEOMICS

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

Precise patient stratification is key for optimizing response to treatment in immune checkpoint inhibition therapy. Naveni® PD1/PD-L1 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:

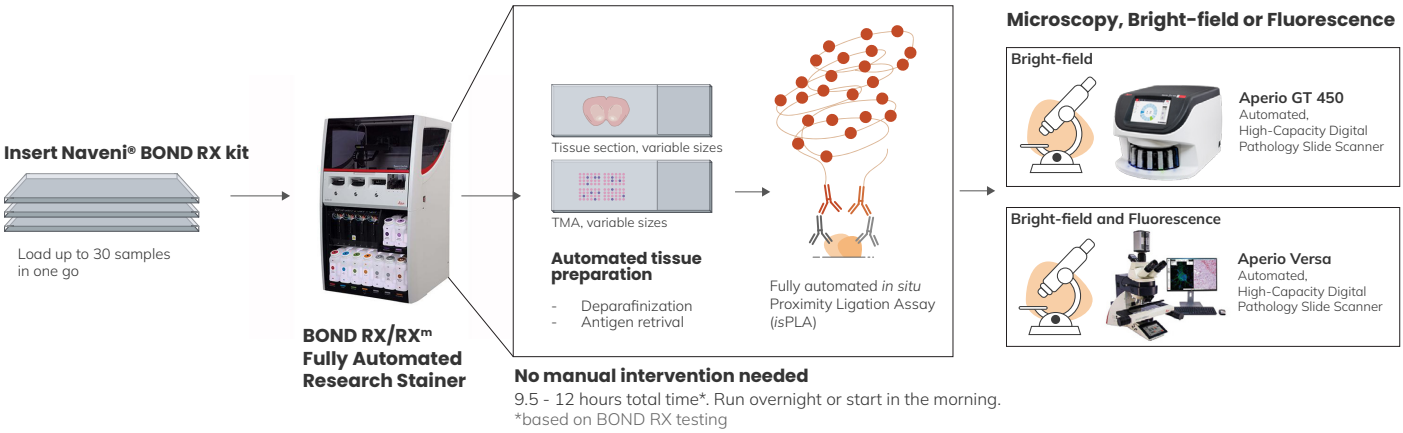
- Visualize precise PD-1/PD-L1 interactions within the tumor microenvironment.
- Gain deeper insights into PD-1/PD-L1 signaling pathways and the immune landscape.
- Increase efficiency and reproducibility with an automated, streamlined workflow.
- Save time and increase productivity by minimizing hands-on steps.

In partnership with Leica Biosystems

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



Navinci

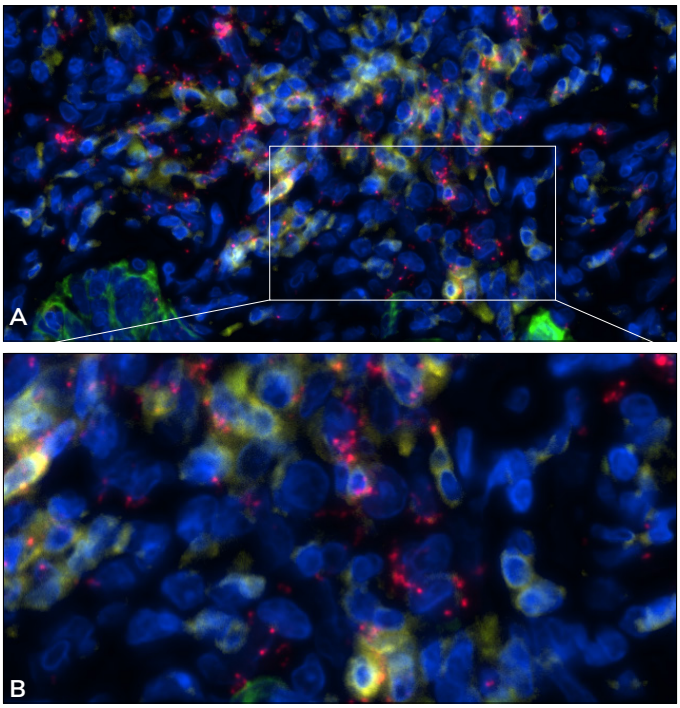


No manual intervention needed
9.5 - 12 hours total time*. Run overnight or start in the morning.
*based on BOND RX testing

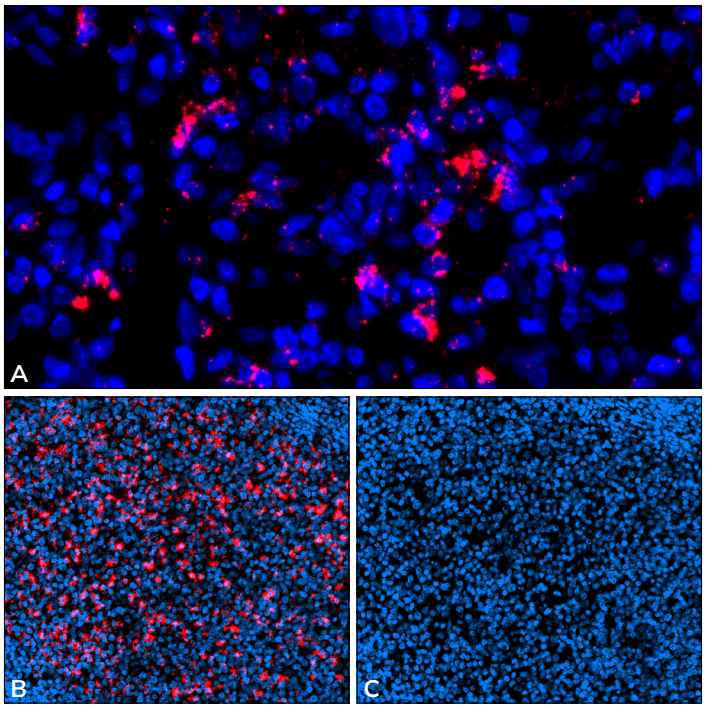
The Naveni® PD1/PD-L1 BOND Atto647N/Red kit is based on the Naveni® *in situ* Proximity Ligation Technology. The kit includes primary antibodies and two Navenibodies conjugated to oligo arms (depicted as orange antibodies in the illustration). Only if the Navenibodies are in close proximity will they generate a rolling circle amplification reaction, leading to a strong and distinct signal. The kit is optimized and validated for the BOND RX/RXm Fully Automated Research Stainer by Leica Biosystems.

The kit has undergone thorough validation, including a diverse range of FFPE tissues, and a an extensive comparative analysis at three distinct research sites, each utilizing their respective Leica BOND RX/RXm systems, ensuring the establishment of robust performance characteristics across varied experimental settings.

Please note that the corresponding kit is also available with chromogenic read-out: Naveni® PD1/PD-L1 BOND HRP.



A) PD1/PD-L1 interaction (red) visualized with Naveni® PD1/PD-L1 BOND RX Atto647N in lung squamous cell cancer 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 squamous cell carcinoma, B) healthy tonsil tissue, C) negative technical control; no primary antibodies. Interaction visualized using Naveni® BOND PD1/PD-L1 Atto647N.

Available from Navinci

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 primary antibodies with host origin of mouse and rabbit	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

Leica BIOSYSTEMS **In partnership with Leica Biosystems**

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