B O N D R X • B O N D R X m • N A V I N C I

FULLY AUTOMATED IN SITU PROXIMITY LIGATION ASSAYS:

NAVENI® KITS FOR BOND RX/RXm

VISUALIZING PROTEIN INTERACTIONS



Navinci

For Research Use Only. Not for use in diagnostic procedures.

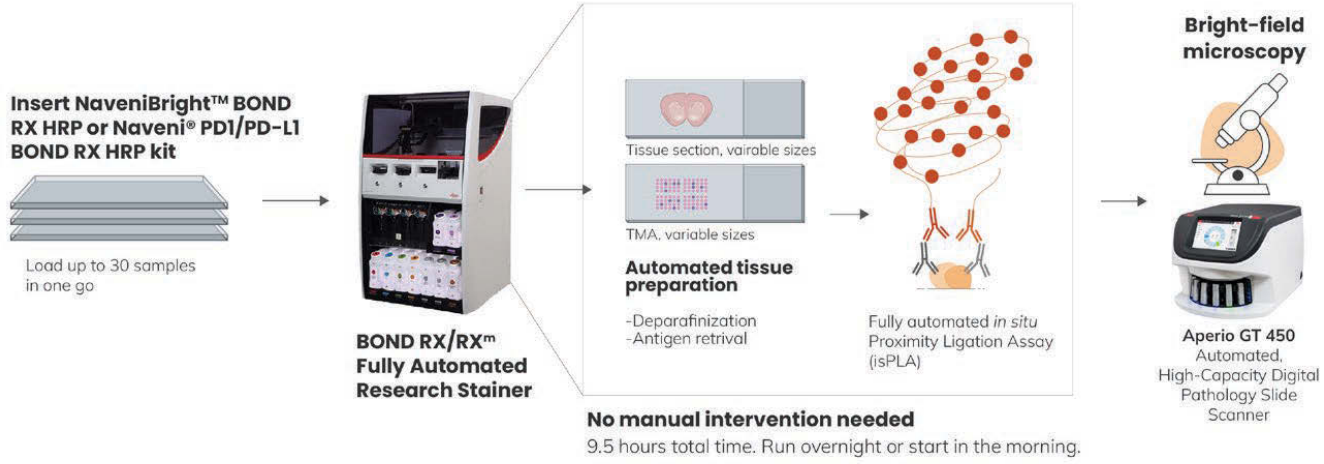
Advancing Cancer Diagnostics
Improving Lives

Leica
BIOSYSTEMS

REPRODUCIBLE PROTEIN-PROTEIN INTERACTIONS

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

For the first time, the *in situ* proximity ligation assay is available via an automated workflow. The NaveniBright and Naveni PD/PD-L1 BOND RX HRP introduce two novel products integrating chromogenic readout automation on the BOND RX and BOND RX^{m} automated research staining platforms by Leica Biosystems. These *in situ* kits are meticulously crafted using the cutting-edge Naveni® Proximity Ligation Technology.



COMPARISON BETWEEN AN AUTOMATED AND A MANUAL WORKFLOW

	AUTOMATED NAVENI® BOND RX/RX^{m}	MANUAL WORKFLOW
Days required	One day	Two days
Hands-on-time	1h	Day 1: 3-5hrs Day 2: 6-7hrs
Run time in the BOND RX/RX^{m}	9.5hrs	
Through put	High	Low
Workflow	Robust and standardized	Varying between labs

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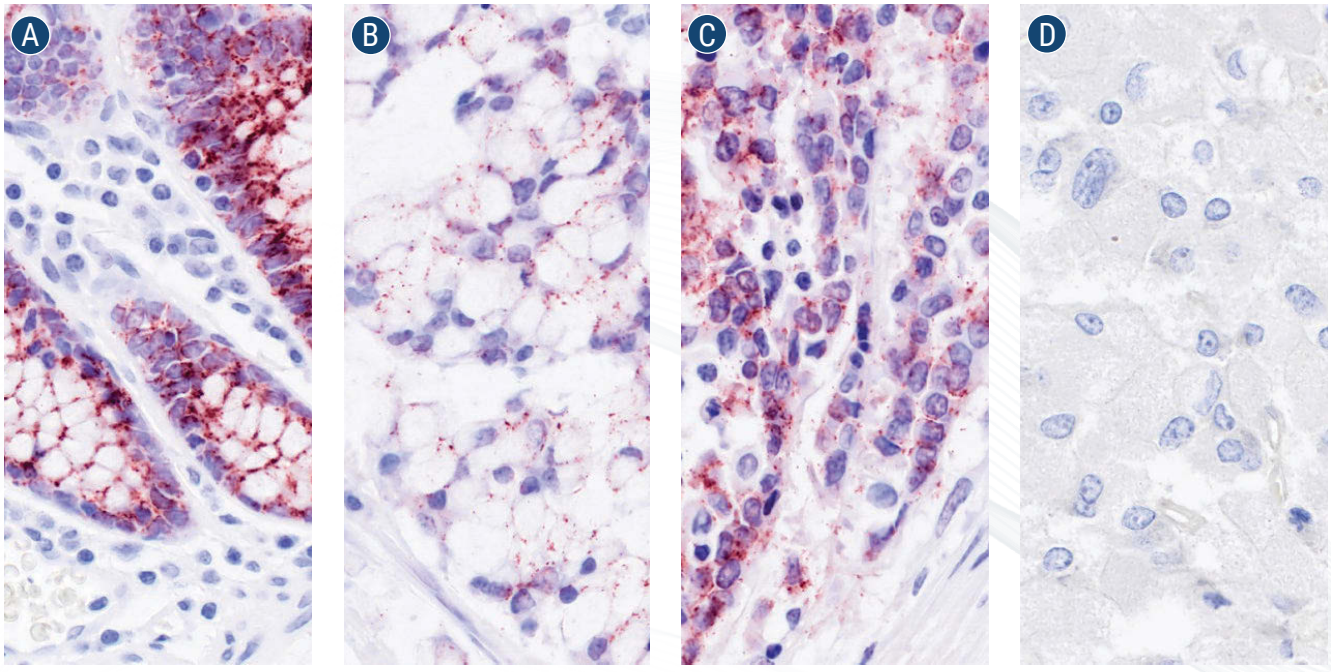
FLEXIBLE TARGETS, FULLY AUTOMATED

NaveniBright BOND RX HRP offers flexibility tailored to your unique primary antibodies and targets. Use your own primary antibodies, verified for IHC on BOND RX research stainer, and add NaveniBright BOND RX HRP for proximity ligation assay and illuminate the function of your protein targets.

PD1/PD-L1 interaction

Naveni PD1/PD-L1 BOND RX HRP visualizes the precise interaction of PD1/PD-L1 within the tissue microenvironment for detailed spatial insights. Primary antibodies are optimized and included in the kit.

Staining of E cadherin/Beta catenin interaction in a TMA using NaveniBright BOND RX HRP:



A) Normal colon

B) Carcinoid tumor

C) Signet-ring cell carcinoma

D) Adrenal gland *(negative control)*

HIGH-QUALITY RESEARCH INSIGHTS

Naveni® Kits on BOND RX/RX^{m} benefits:

- Detect protein-protein interactions and post-translational modifications efficiently using the Leica Biosystems BOND RX, ensuring high precision and accuracy.
- Clear visualization of protein interactions and post-translational modifications in tissue microenvironments.
- Improved Efficiency and Reproducibility: Automated assay workflows reduce hands-on time and minimize variability.
- Proven productivity: Time-saving automation and streamlined workflows maximize research productivity, enabling high-throughput studies using proximity ligation assays.

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AVAILABLE FROM NAVINCI			
CATALOG NR	**KIT**	**TARGET**	**DESCRIPTION**
NAB.MR.030.H	NaveniBright BOND RX HRP	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
NA.PPI01.030.H	Naveni PD1/PD-L1 BOND RX HRP	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

AVAILABLE FROM LEICA BIOSYSTEMS for Leica BOND RX/RX™ with standard accessories		
CATALOG NR	**COUNT**	**DESCRIPTION**
OPT9049	1	BOND titration kit
DS9263 or DS9800	1 1	BOND Intense R BOND Polymer Refine
AR9590	1	BOND Wash solution 10x concentrate
AR9222	1	BOND Dewax solution
AR9961	1	BOND Epitope retrival solution 1
AR9640	1	BOND Epitope retrival solution 2

OTHER REAGENTS REQUIRED
Mounting medium

LEICA BIOSYSTEMS IS AN INTERNATIONAL COMPANY WITH A STRONG NETWORK OF WORLDWIDE CUSTOMER SERVICES

For detailed contact information on your nearest sales office or distributor please visit our website: LeicaBiosystems.com

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Leica Biosystems is a global leader in workflow solutions and automation. As the only company to own the workflow from biopsy to diagnosis, we are uniquely positioned to break down the barriers between each of these steps. Our mission of "Advancing Cancer Diagnostics, Improving Lives" is at the heart of our corporate culture. Our easy-to-use and consistently reliable offerings help improve workflow efficiency and diagnostic confidence. The company is represented in over 100 countries. It has manufacturing facilities in 9 countries, sales and service organizations in 19 countries, and an international network of dealers. The company is headquartered in Nussloch, Germany. Visit LeicaBiosystems.com for more information.

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