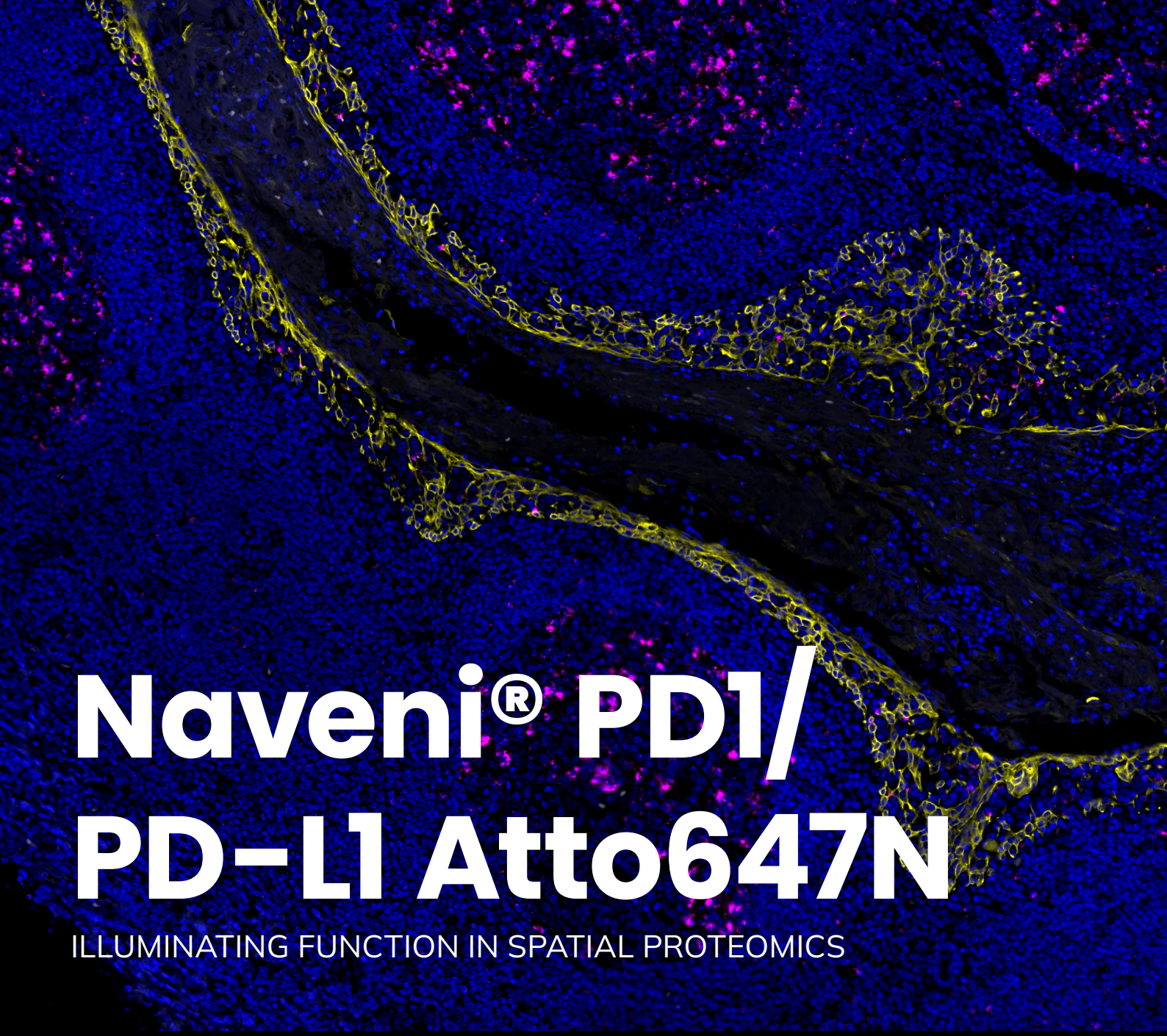


Naveni® PD1/ PD-L1 Atto647N

ILLUMINATING FUNCTION IN SPATIAL PROTEOMICS

Illuminate PD1/PD-L1 Interactions: Revolutionizing Immune Checkpoint Activation Detection

Unlocking the potential of immune checkpoint inhibition therapy calls for precise patient stratification[1]. While PD-L1 is a commonly used biomarker, its correlation with immunotherapy outcomes isn't always linear[2]. Addressing this challenge, Navinci presents Naveni® PD1/PD-L1 Atto647N, the pioneering fluorescent assay for *in situ* detection of PD1/PD-L1 interactions.

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

- Identify PD1/PD-L1 interactions with exceptional specificity
- Visualize PD1/PD-L1 in the tumor microenvironment
- Enhance understanding of signaling pathways in the context of immune checkpoint blockade
- Uncover the diagnostic potential of the PD1/PD-L1 interaction

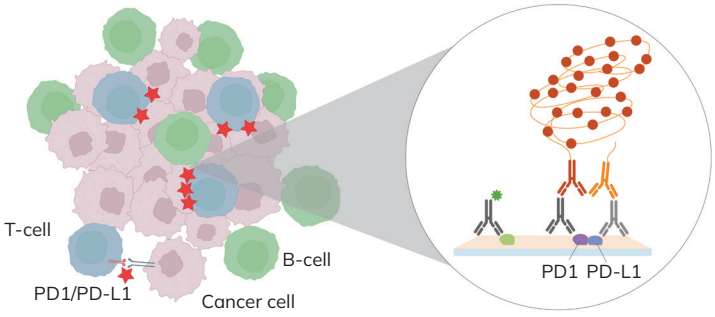
For more information or to place an order, visit www.navinci.se/products
Email: contact@navinci.se

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Version 1.0 DOC-0051

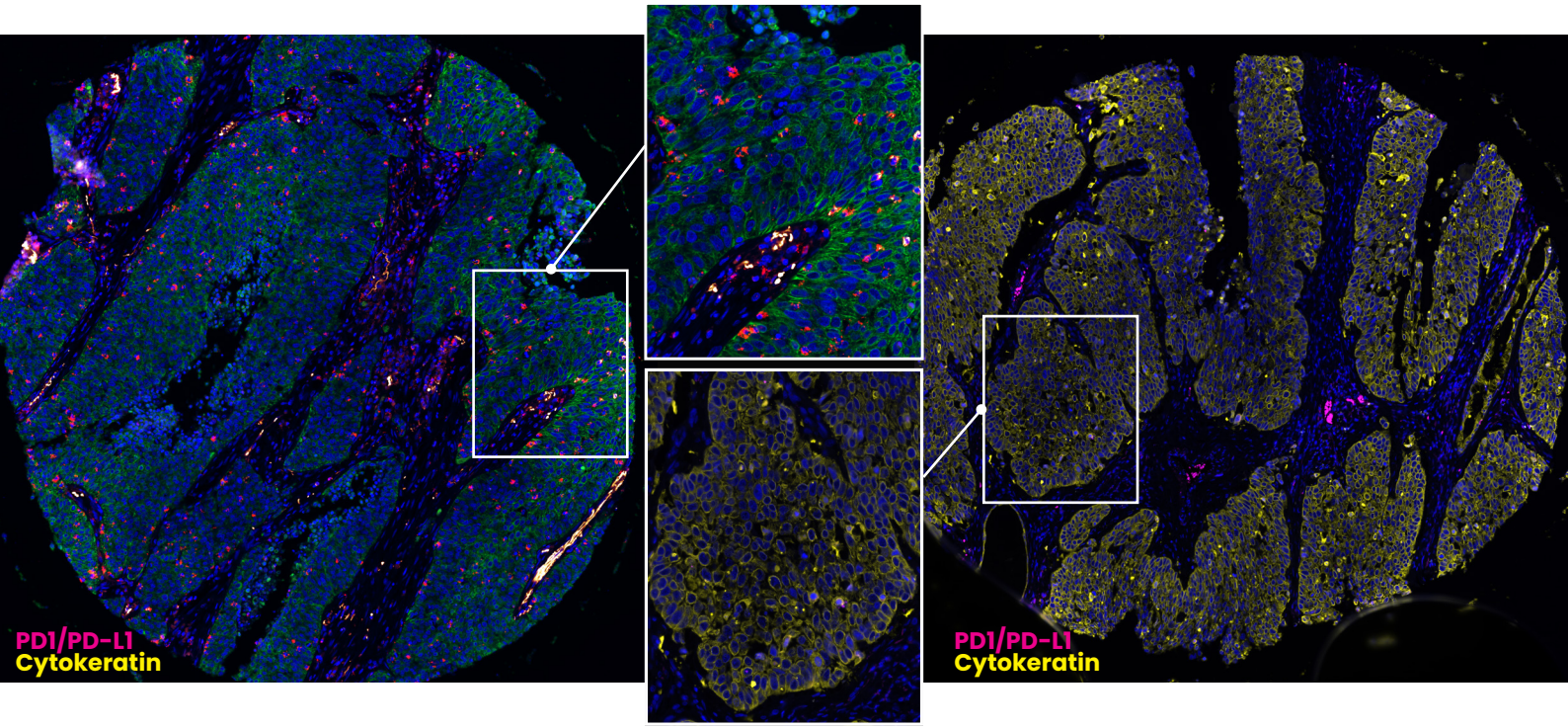
How it works

The Naveni® PD1/PD-L1 Atto647N kit is based on our proprietary Naveni® *in situ* proximity ligation technology[3]. The kit includes two Navenibodies conjugated to proprietary 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 dot. The kit is compatible with IF co-staining.



Tumor microenvironment (TME)

Naveni® PD1/PD-L1 and co-stain



Non-small-cell lung cancer samples positive and negative for the PD1/PD-L1 interaction (magenta). Tumor tissue visualized by cytokeratin co-staining (yellow).

Ordering information

Product	Code	Read out	Primary antibodies required
Naveni PD1/PD-L1 Atto647N	60034	Fluorescence	Primary included
NaveniBright PD1/PD-L1	60033	Brightfield	Primary included
Naveni CD8/MHC-I Atto647N	60035	Fluorescence	Primary included

Kit size: 4ml working solution.
For research use only. Not for use in diagnostic procedures.

1. Robert, C. A decade of immune-checkpoint inhibitors in cancer therapy. Nat Commun 11, 3801 (2020).
2. Sánchez-Magraner L, et al., High PD-1/PD-L1 Checkpoint Interaction Infers Tumor Selection and Therapeutic Sensitivity to Anti-PD-1/PD-L1 Treatment. Cancer Res 80, 19 (2020).
3. Klaesson A, et al., Improved efficiency of *in situ* protein analysis by proximity ligation using UnFold probes. Sci Rep. 8(1):5400 (2018).

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For product-specific images on different tissues and more info, visit our web.
Email: contact@navinci.se