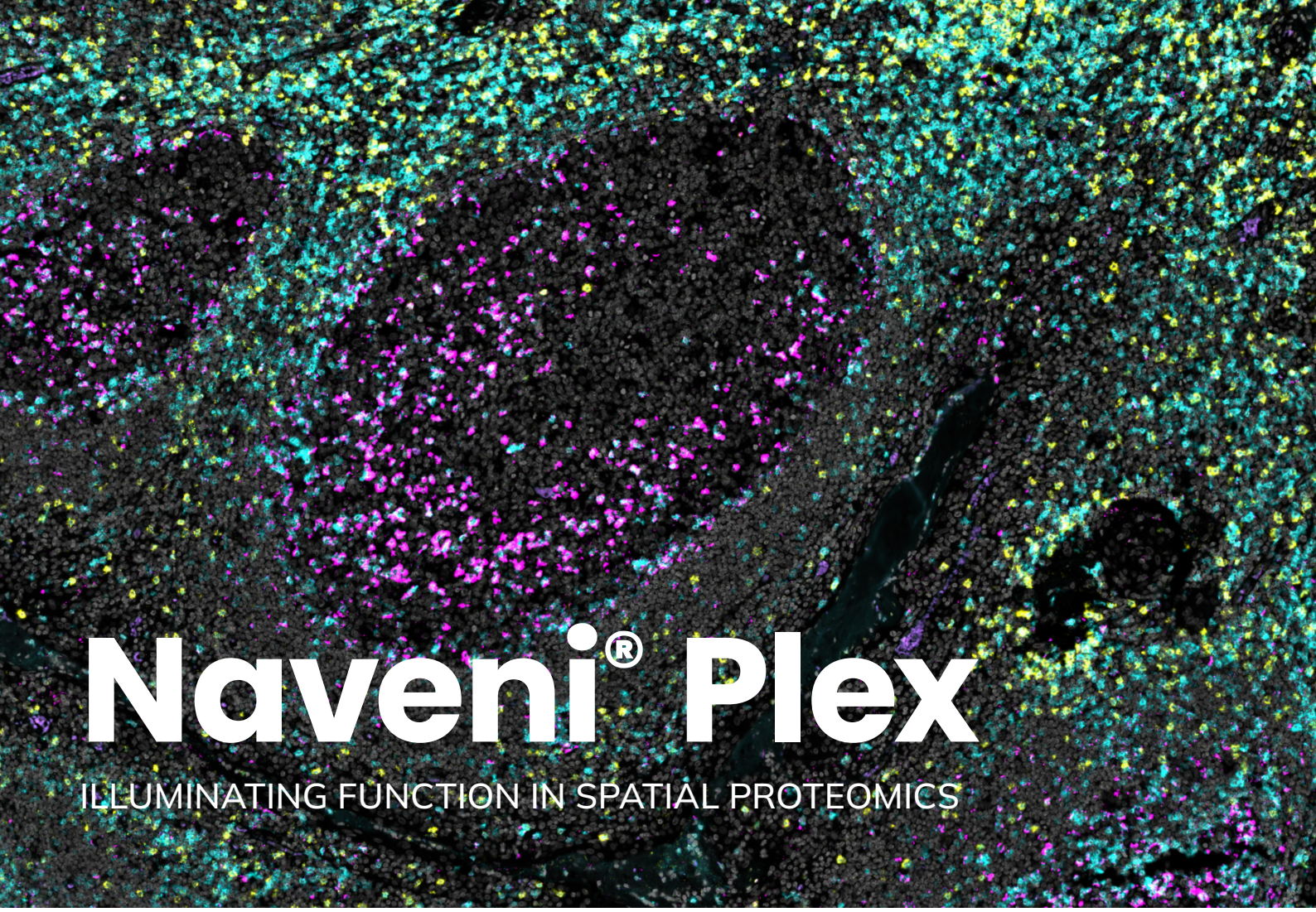


Naveni® Plex

ILLUMINATING FUNCTION IN SPATIAL PROTEOMICS

Revolutionize your research with Naveni® Plex

As only a minority of patients receiving immune checkpoint inhibition therapy (ICI) respond to treatment, better **functional** biomarkers to predict and understand response to cancer treatment are urgently needed. A recent study[1] showed that our assay detecting PD1/PD-L1 interactions can more accurately predict responders versus non-responders compared to currently employed companion diagnostics; in this case, PD-L1 expression by IHC. Now you can further uncover complex protein interactions in the tumor microenvironment with **Naveni® Plex**, the groundbreaking *is*PLA multiplex solution **designed to simultaneously detect:**

- **PD1/PD-L1 interactions** – illuminating activated immune checkpoint pathways;
- **CD8/MHC-I interactions** – revealing initiation of critical T-cell activation processes;
- **CD3 presence** – tracking a key T-cell marker.

Why choose Naveni® Plex?

Multiplex *is*PLA for functional proteomics: Mapping multiple protein interactions simultaneously in the cancer-immune interface, going beyond expression to reveal functionality.

Optimized and ready to use: Curated and validated protein targets for improved understanding of the immune landscape in tissue.

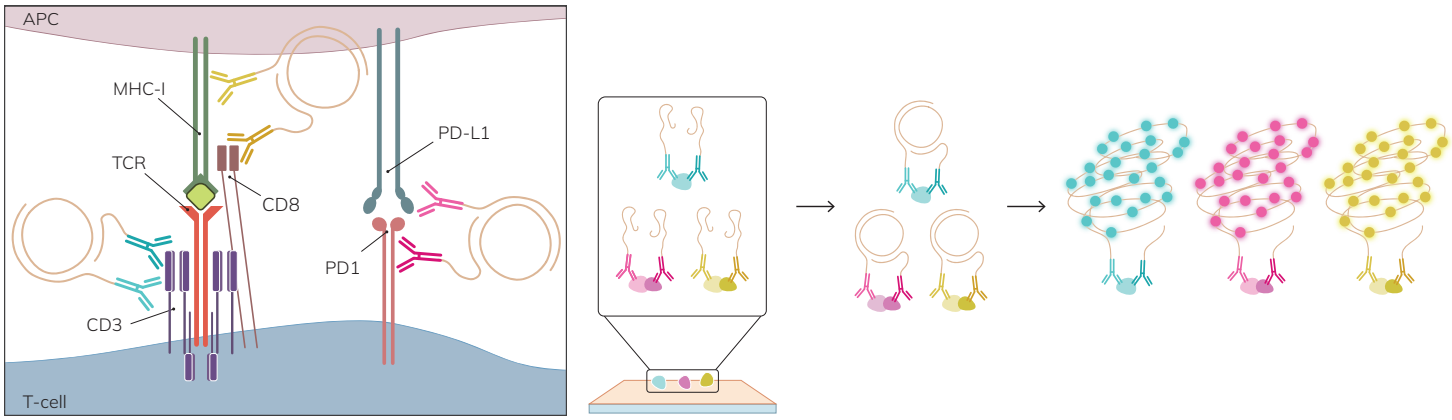
Enhanced sensitivity & specificity: Dual antibody recognition with signal amplification ensures precise detection of even the most challenging targets in a multiplex setting.

Image: PD1/PD-L1 (magenta), CD3/CD3 (teal) and CD8/MHC-I (yellow) simultaneously detected by Naveni® Plex in tonsil. Nuclei (DAPI) in grey.

[1] Lindberg, A., et al (2024). *In situ* detection of PD1–PD-L1 interactions as a functional predictor for response to immune checkpoint inhibition in NSCLC. *Journal of Thoracic Oncology.*

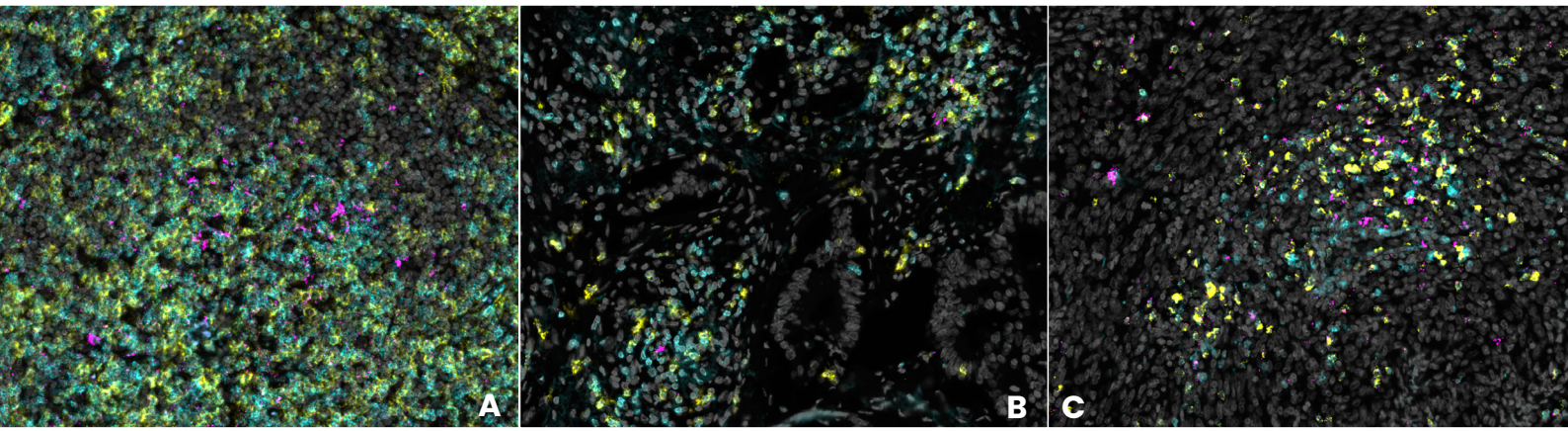
Navinci

Version 2.0 DOC-0052



How it works

Three pairs of primary antibodies conjugated to proprietary oligonucleotide arms (Navenibodies) are simultaneously incubated with your FFPE tissue sample to detect the interaction between PD1 and PD-L1, CD8 and MHC-I, and two epitopes on the CD3 protein. Only if the Navenibodies are in close proximity will they generate a rolling circle amplification reaction, leading to a strong and distinct signal in the respective channel (Cy3, Cy5, or FITC).



PD1/PD-L1 (magenta), CD3/CD3 (teal) and CD8/MHC-I (yellow) simultaneously detected by Naveni® Plex in (A) Hodgkin lymphoma, (B) lung cancer and (C) melanoma. Nuclei (DAPI) in grey.

Ordering information

Easy ordering and fast turnaround. Contact your local distributor at www.navinci.se/distributors or visit us at www.navinci.se/products

Product	Code	Read out	Primary antibodies
Naveni Plex	60000	Fluorescence	Included

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

Navinci

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