

Omni

Capture the full picture with multiplex *is*PLA

Gain access to cutting edge interactomics

Detect up to 9 protein-protein interactions, single proteins, or phosphorylation states simultaneously in human FFPE tissue or cell* samples - unlocking insights from basic biology to disease progression and drug development. Uncover processes such as:

- **Tumour-stroma crosstalk**
- **Immune cell states**
- **Key molecular networks driving disease progression and treatment response**

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Our Omni technology enables simultaneous detection of multiple protein targets, interactions and phosphorylations within the same sample, to map protein function and pathways directly in spatial context.

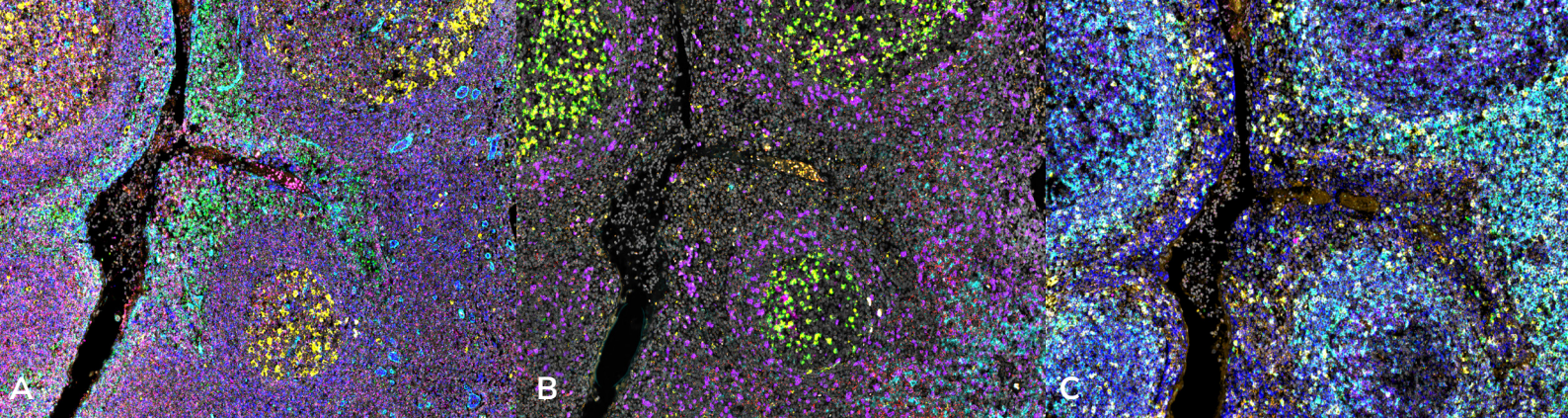
Optimized custom multiplex panels

Design an up-to-9 plex panel from a library of verified targets, building a custom kit tailored to your research. All antibodies are conjugated by Navinci, saving you time on optimization and ensuring you get the results you should.

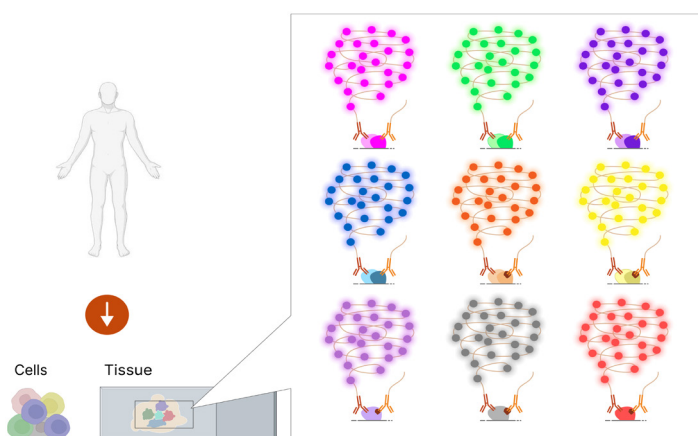
High performance, no sacrifices

The technology is optimized for strong, balanced signal generation in tissue, allowing high-content spatial analysis without sacrificing sensitivity or specificity.

*cell samples coming soon



Three pre-validated panels are available to choose for Omni: MAPK panel (A), immuno-oncology panel (B) and TCR/BCR panel (C). For full target details see order.navinci.se.



Navinci's technology enables scientists to study protein behavior directly in cells and tissues. Omni builds on our proprietary *in situ* proximity ligation assay (*isPLA*) technology, which uses antibody–oligonucleotide pairs that generate amplifiable DNA when they bind in close proximity – revealing protein interactions and modifications.

Omni enables the detection of up to 9 different antibody–oligonucleotide pairs in a single experiment, allowing multiple protein interactions to be analyzed simultaneously. This represents the next generation of multiplex *in situ* proximity ligation assay (*misPLA*) technology.

Focus on discovery, not optimization

- 1 **Design your panel**
Choose your up-to-9 plex panel from our validated library
- 2 **Receive your custom kit**
Pre-conjugated antibodies, ready to use
- 3 **Run multiplex *isPLA* panel**
Detect multiple interactions, PTMs and single protein targets simultaneously
- 4 **Analyze spatial data**
Visualise protein function directly in tissue

To get started with Omni, go to: navinci.se/omni

