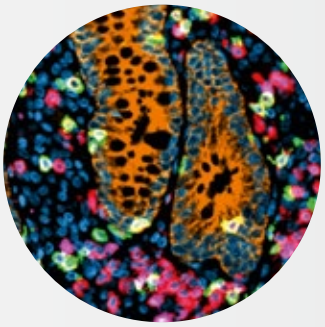
Product Profile No. 03

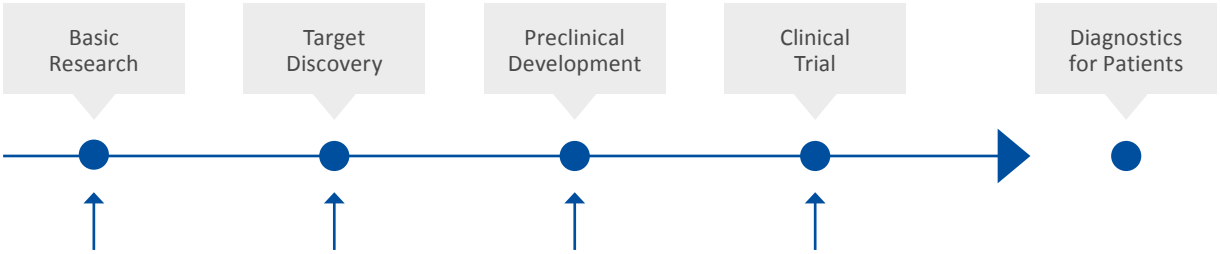
Immunohistochemistry Services



Overview

Indivumed provides automated, highly reproducible immunohistochemistry (IHC) services from basic research to clinical trials support including:

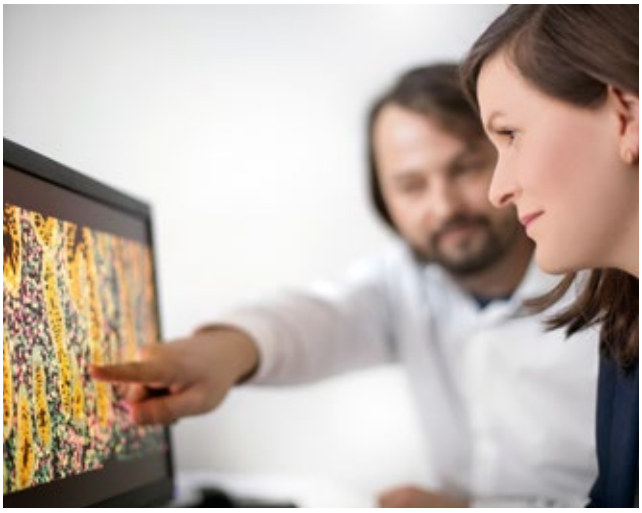
- Chromogenic IHC services
- Fluorescence Multiplex IHC services
- Automated staining platforms – Ventana, Leica, Dako
- In-house pathologists and digital image analysis



We support your oncology research programs at all stages.

Services

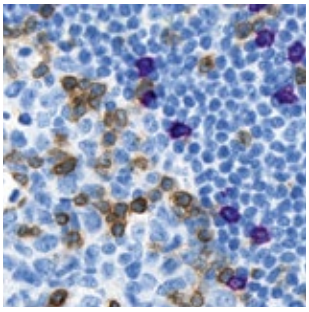
- Custom IHC assay development
- Full IHC assay validation in line with FDA and EMA guidelines
- Biomarker analysis under GCP compliance
- High-resolution whole slide scanning
- Histopathological evaluation by in-house pathologists
- Digital image analysis



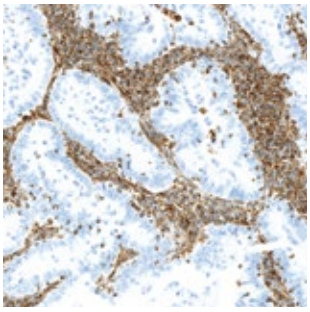
Chromogenic IHC

Indivumed has over 15 years' experience in IHC assay development and biomarker analyses. This includes a thorough selection as well as the careful evaluation of antibodies. We provide:

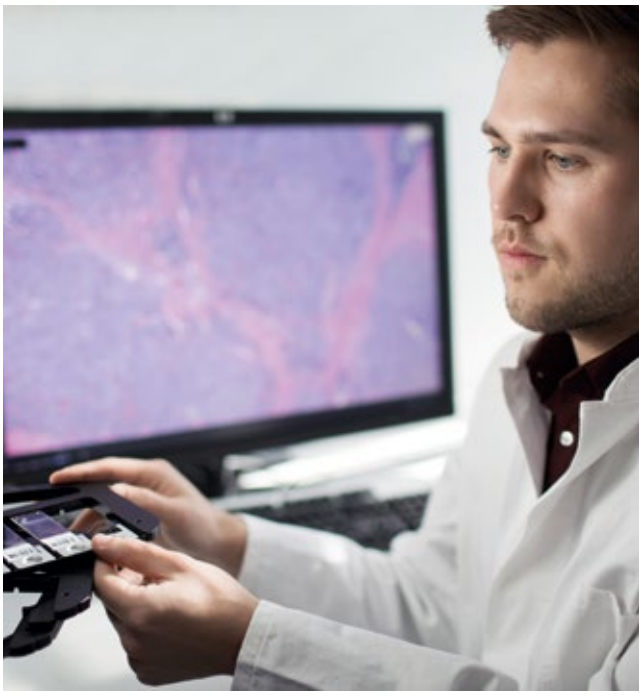
- Single and dual chromogenic IHC
- Established assays for >200 targets
- Histopathological evaluation using different scoring systems



Chromogenic dual anti-CD3/CD8 IHC



Chromogenic single anti-Vimentin IHC

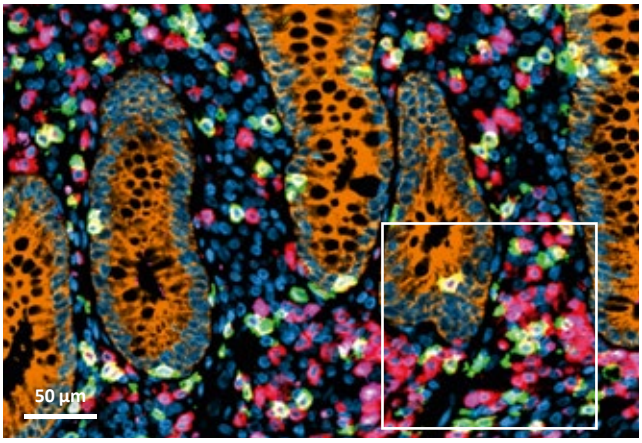


Multiplex IHC

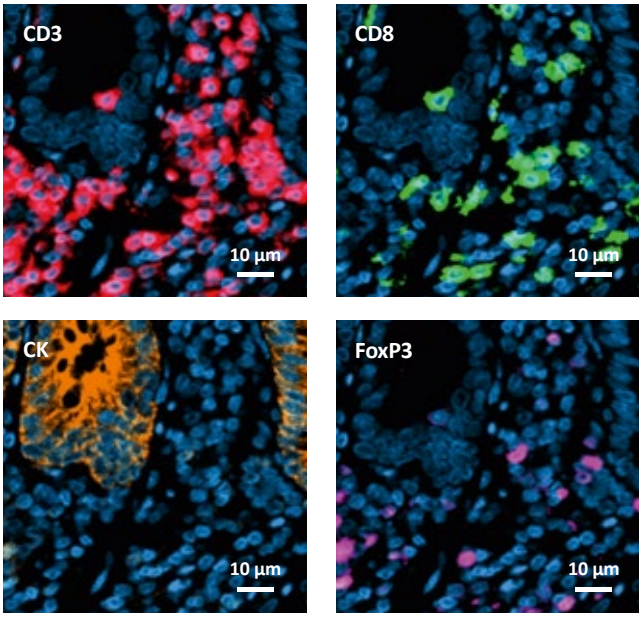
Our multiplex IHC (mIHC) services, implemented in 2017, enable an analysis of multiple biomarkers on single FFPE tissue sections. Our scientists follow streamlined workflows, ensuring the highest quality standards of mIHC assay development, validation, and analysis, while maintaining short turnover times.

Our capabilities include:

- Tyramide signal amplification (TSA) technology-based mIHC assay development, validation, and biomarker analyses (up to 5-plex)
- Ultivue technology multiplexing (up to 8-plex)
- High-resolution whole slide scans with the Zeiss AxioScan.Z1
- Digital image analysis using Visiopharm Oncotopix



TSA-based fluorescent anti-CD3/FOXP3/CD8/pCK mIHC of human FFPE CRC tissue sample



Digital Image Analysis (DIA)

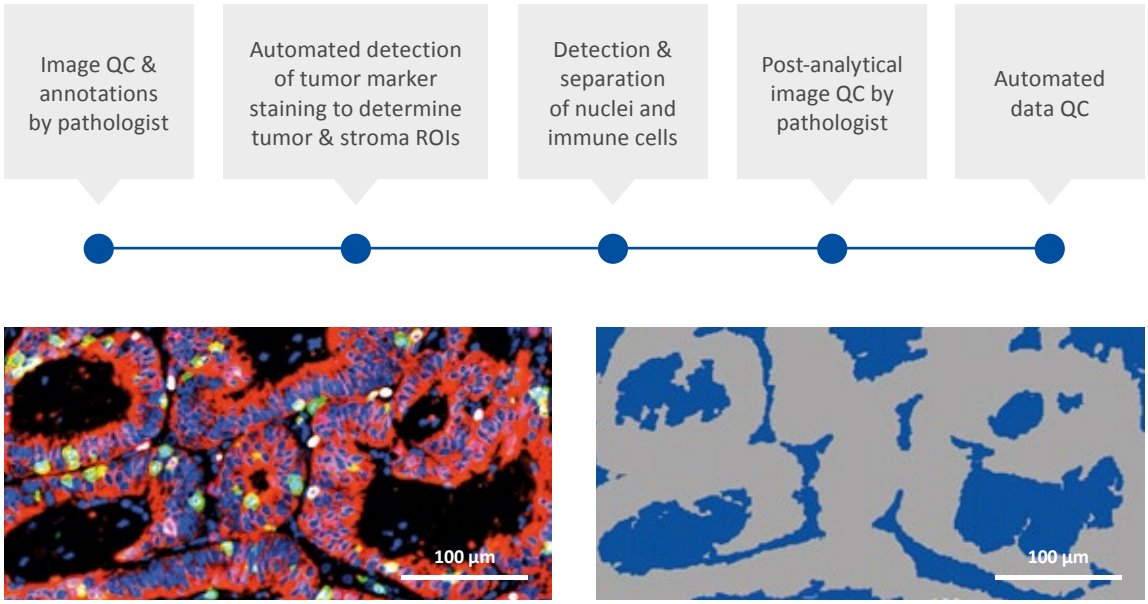
Here at Indivumed, we have implemented in-house DIA services since 2017. By working closely with our pathology and IHC department, we ensure high-quality analyses and consistency in the generated data. Our services include:

- Using Visiopharm Oncotopix software
- Specifically designed Analysis Protocol Packages (APPs)
- GCP compliant process workflows
- Further technologies: Artificial Intelligence, Machine Learning, and Deep Learning

Your Benefits

- Visualize co-expression of multiple markers in a single section
- Reveal spatial relationships of markers and cells
- Characterize composition of the tumor immune cell landscape
- Validated combination of mIHC and digital image analysis

Determination of tumor and stroma ROIs through appropriate IHC labelling – workflow of digital image analysis



Anti-CD8/FOXP3/CD3/pCK mIHC of human FFPE CRC tissue sample

pCK mask overlay showing tumor (gray) and stroma (blue) ROIs

Complementary Services

- RNA *in situ* hybridization using RNAscope technology
- DNA *in situ* hybridization using Ventana probes
- Spatial Transcriptomic Services with 10x Genomics technology

Request a Proposal

If our services meet your needs, please visit our website or contact us and request a proposal.

www.indivumed.com
Email: CustServ@indivumed.com

About Indivumed

Indivumed GmbH is a physician-led, integrated global oncology company for personalized medicine with the world's premier high-content tumor database and highest quality biobank. Indivumed's standard operating procedures are trusted as the global benchmark for biospecimen and clinical data collection. Our long-standing biobanking expertise is ISO 9001-certified and includes strict protocols for tissue sampling and processing with regard to crucial parameters such as tumor region, ischemia time, and information management.

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Contact

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