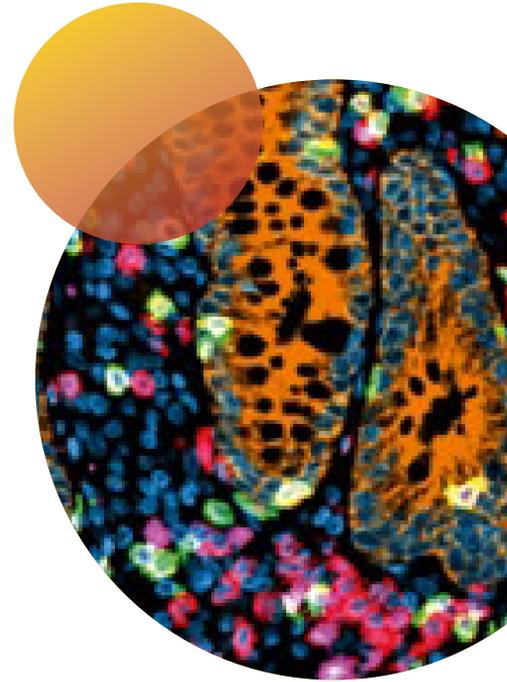
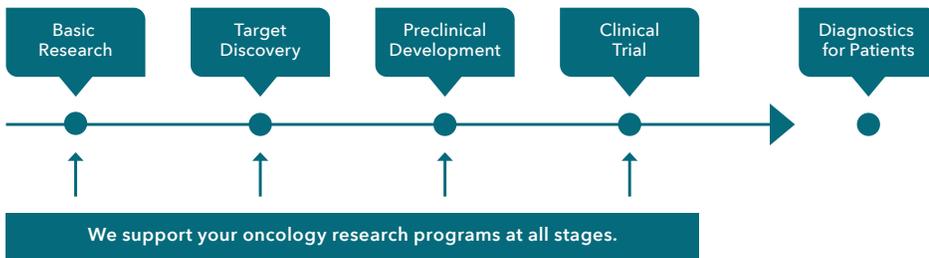


## Product Profile Services Immunohistochemistry Services

### Overview

Indivumed Services 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



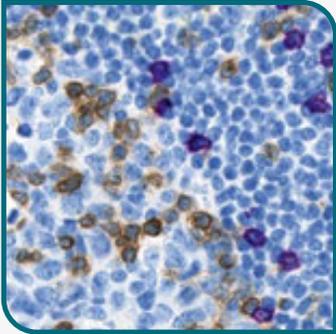
### Services

- 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

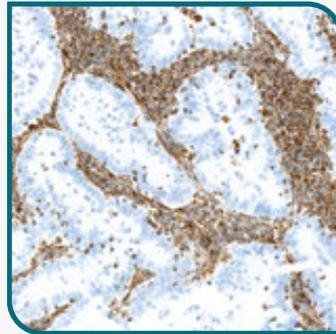
## Chromogenic IHC

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

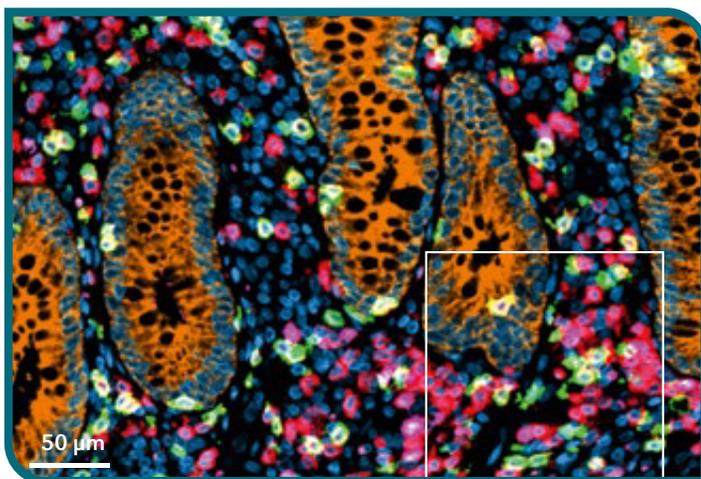


## Multiplex IHC

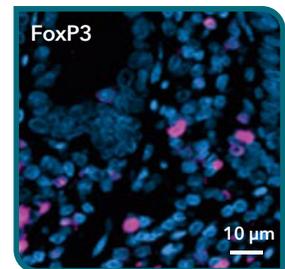
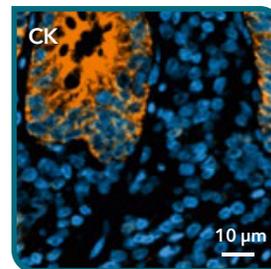
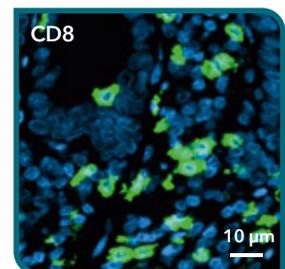
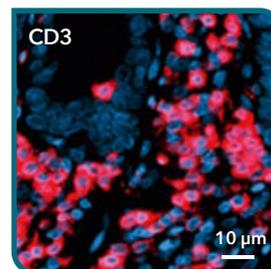
Our multiplex IHC (mIHC) services, implemented in 2017, enable an analysis of multiple biomarkers on single FFPE tissue sections. Our scientists follow streamlined workflows, ensuring the highest quality standards of mIHC assay development, validation, and analysis, while maintaining short turnover times.

### 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)

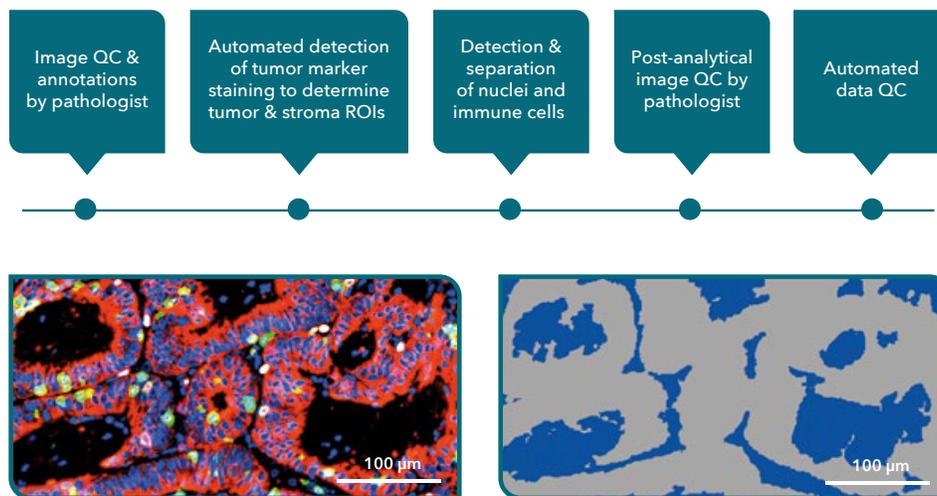
Here at Indivumed Services, we have implemented in-house DIA services since 2017. By working closely with our pathology and IHC department, we ensure high-quality analyses and consistency in the generated data. Our services include:

- 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



## 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.IndivumedServices.com](http://www.IndivumedServices.com)

Email: [IndivumedServices@crownbio.com](mailto:IndivumedServices@crownbio.com)



## About Indivumed Services

Indivumed Services, a Crown Bioscience Company, is a global contract research organization (CRO) that offers an industry-leading oncology biobank and a range of service platforms to advance oncology and immuno-oncology drug discovery and development.

Holding a unique biobank of clinical specimens, unrivalled in quality and associated clinical history, which currently totals almost one million patient samples, the company partners with extensive clinical network of more than 60 entities in the United States, Europe, and Asia providing direct and controlled access to relevant surgical biospecimens and blood samples.

Further known for their enhanced immunohistochemistry and spatial transcriptomics, Indivumed Services' platforms complement a range of established Crown Bioscience capabilities supporting biomarker discovery.

### Contact

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