

The Art of Histopathology

Discover the tumor's microenvironment



Immunohistochemistry biomarkers are key players in clinical development success. Tissue biomarkers can aid in the confirmation of diagnosis, patient selection, and/or for mechanistic evaluation.

Cerba Research IHC/ISH Validation Solutions

Catalog of available protocols

Development of custom IHC assays and validations for pre-clinical and clinical studies FFPE and frozen tissue

Access to numerous indications in our tissue biobank to facilitate target detection in multiple disease areas

Guided by IHC experts

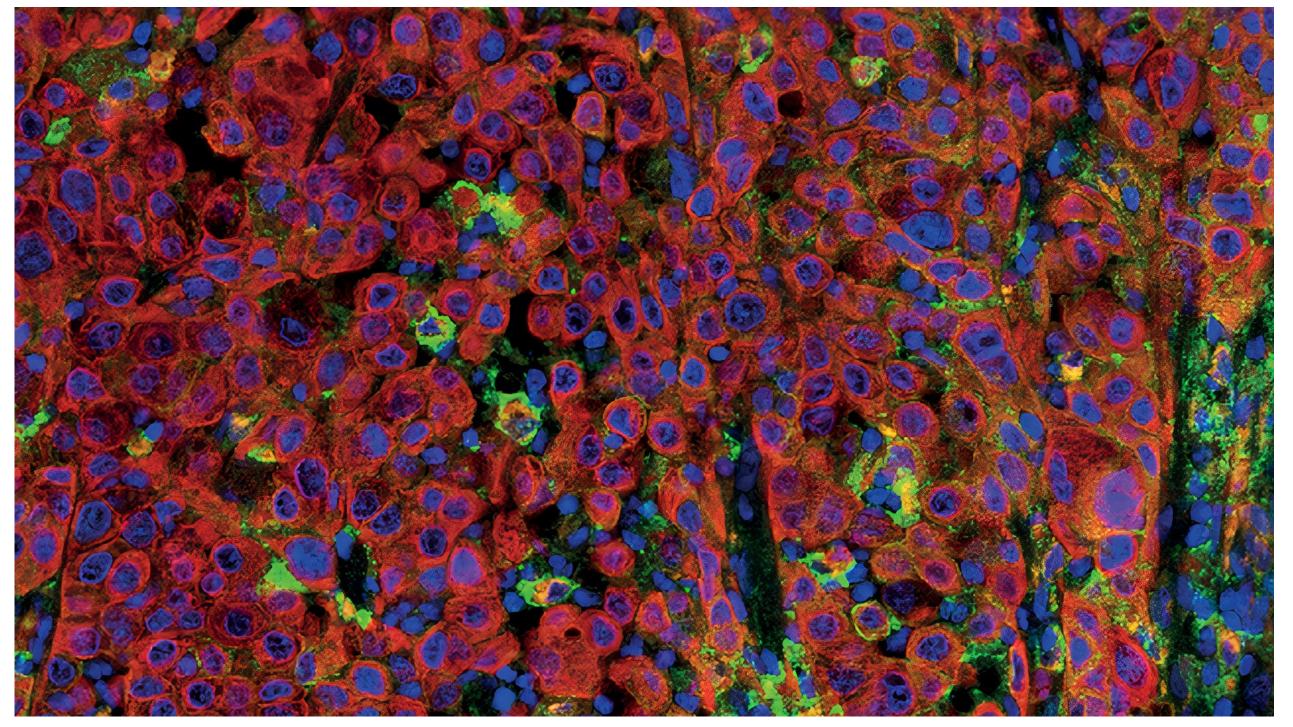
Our IHC expert scientific team will consult and work with you on your specific needs. Flexible in our approach and delivery to provide timely and cost effective solutions to meet your clinical and commercial objectives.

Discover the art of histopathology through the eyes of our most skilled scientists.

More than 90% of our customers are satisfied by our scientific support during their project.

More than 90% of our customers are satisfied by the timeline completion of their project.

More than 90% of our customers are very satisfied by our project management team and communication during the project.

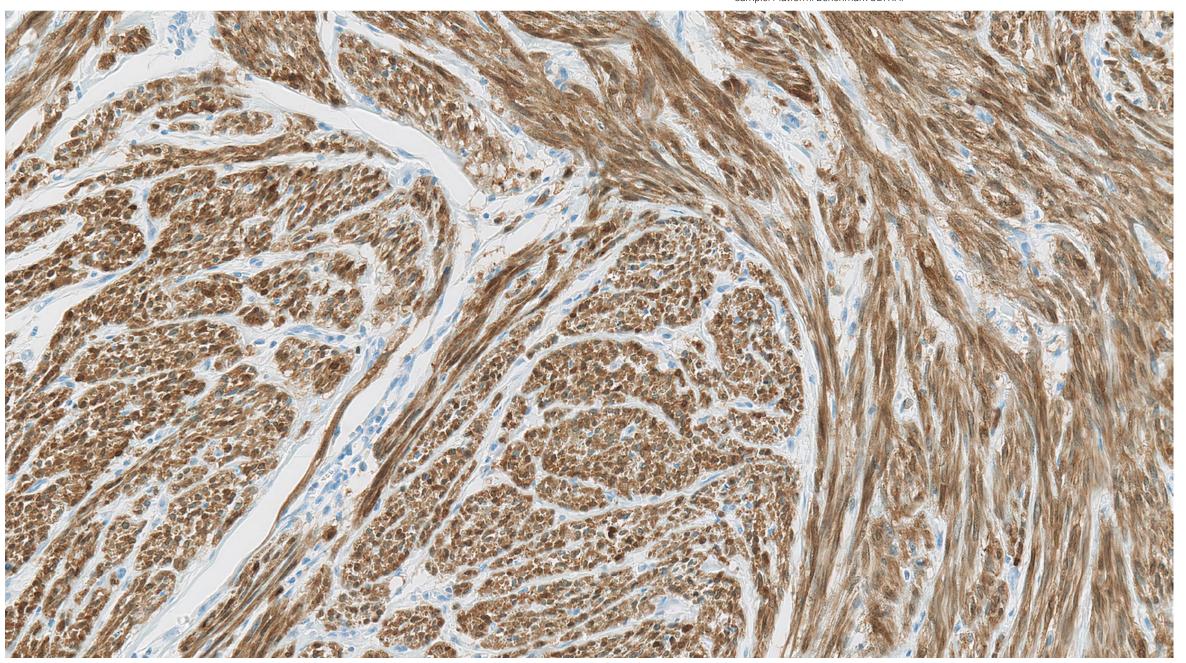


PD-L1 Expression in Tumor Associated Cacrophages and Tumor Cells.

Protocol used in a Phase 1 clinical study to detect PD-L1, a common target of immune checkpoint blockade, expression in tumor cells and tumor associated macrophages in solid tumors.

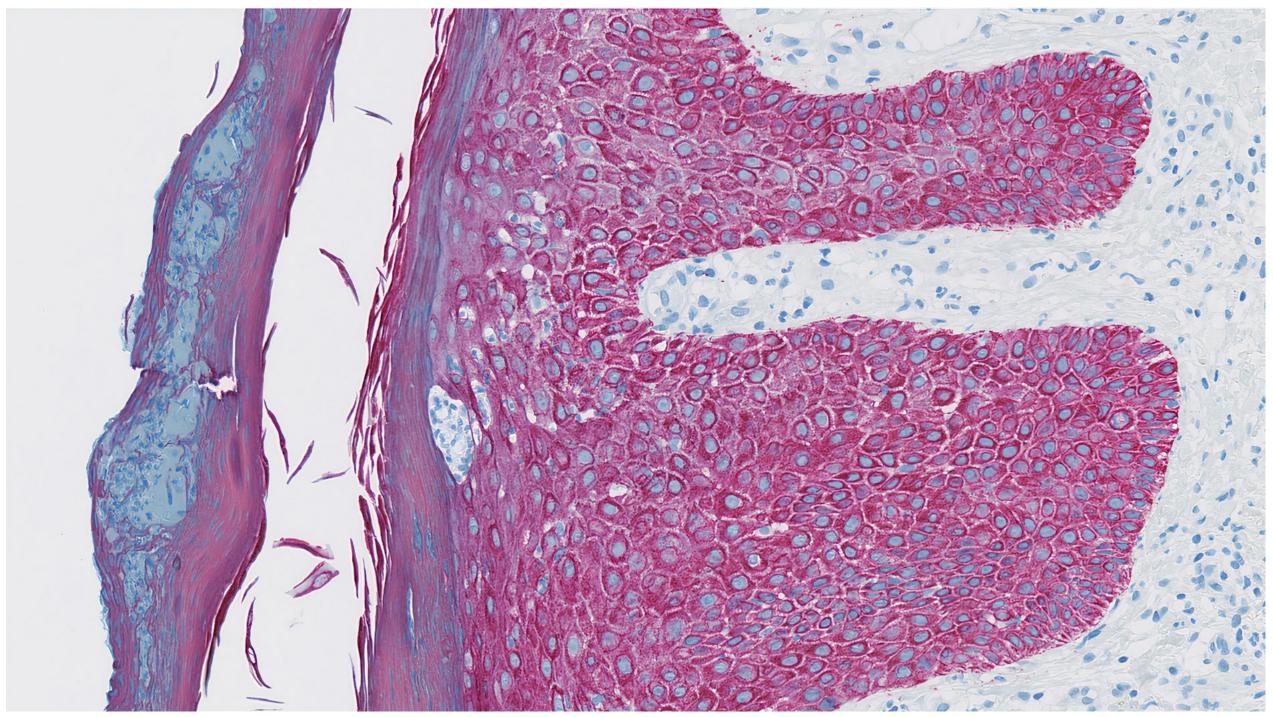
PanCK (Clone AE1/AE3, Red), CD68 (Clone KP1, Orange) and PD-L1 (Clone E1L3N, Green) multiplex IHC staining of Non-Small Cell Lung Cancer FFPE sample. Macrophages are identified by CD68 staining and Tumor by PanCK. Platform: Ventana Discovery ULTRA.

p16 Expression in Uterine Leiomyosarcoma.
Protocol validated at a secondary endpoint level. This marker is used in the diagnosis of the human papillomavirus (HPV).

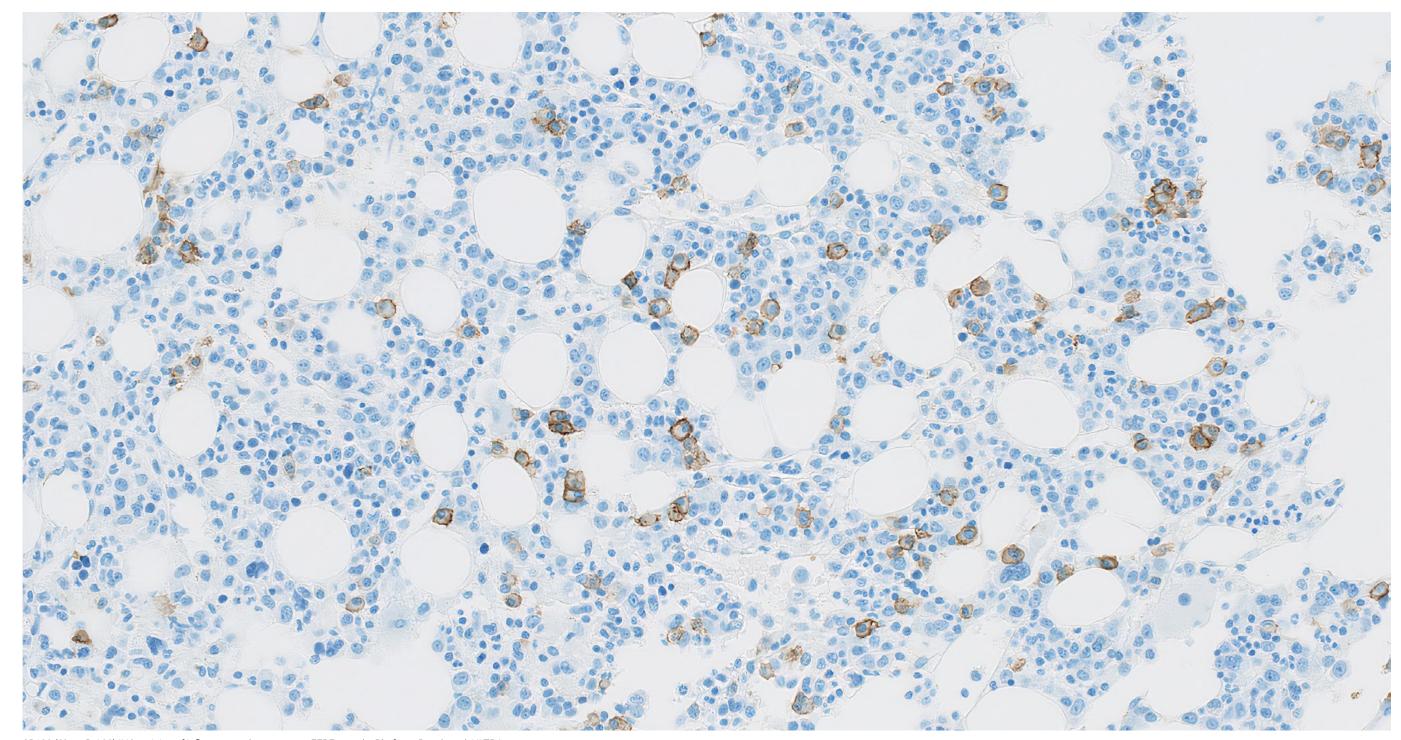


p16 (Clone E6H4) IHC staining of Uterine Leiomyosarcoma FFPE sample. Platform: Benchmark ULTRA.

Cytokeratin16 Expression in Atopic Dermatitis Skin.
Protocol used in Phase 2b clinical study to detect epidermal cells in lesional skins.



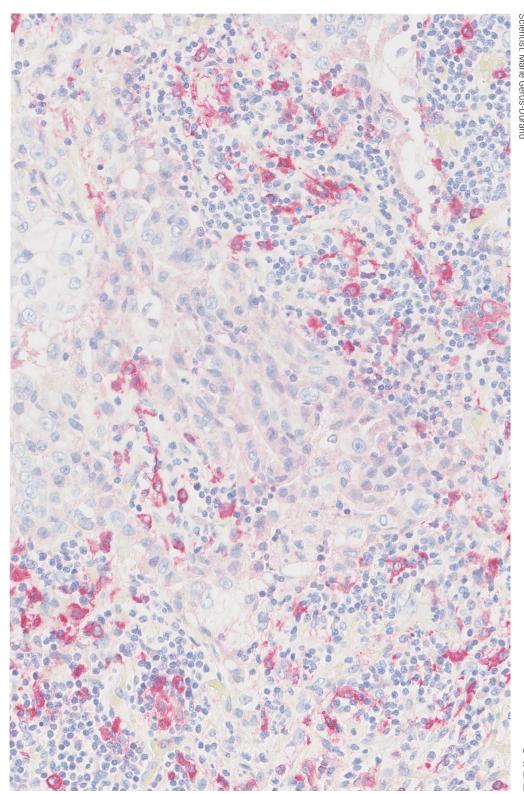
CD138 Expression in Inflammatory Bone Marrow.
Protocol used in Phase 1; Phase 1/2 and Phase 2 clinical studies to detect plasma cells in bone marrow samples.



CD138 (Clone B-A38) IHC staining of inflammatory bone marrow FFPE sample. Platform: Benchmark ULTRA.

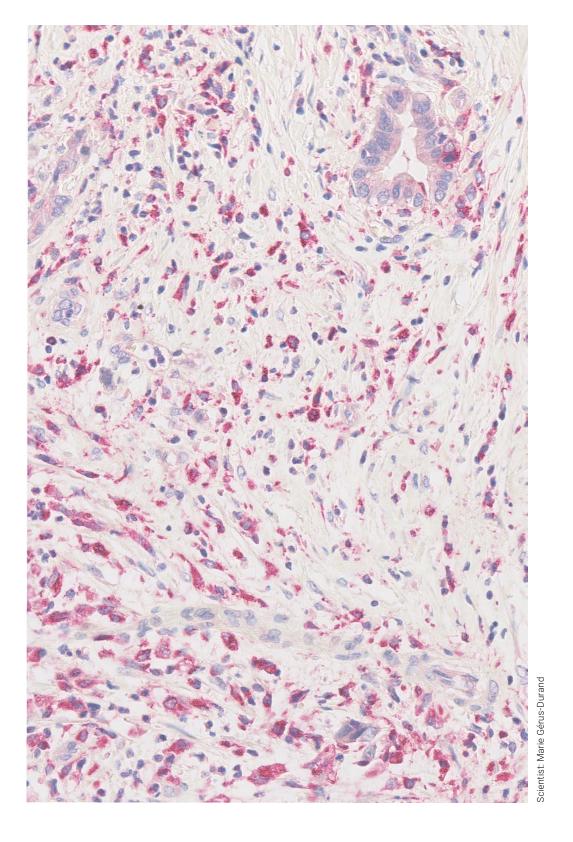
Scientist: Alexy Promonet

CD163 Expression in Non-Small Cell Lung Cancer.
Protocol used in Phase 1/2 clinical study to detect M2 macrophages in solid tumors.

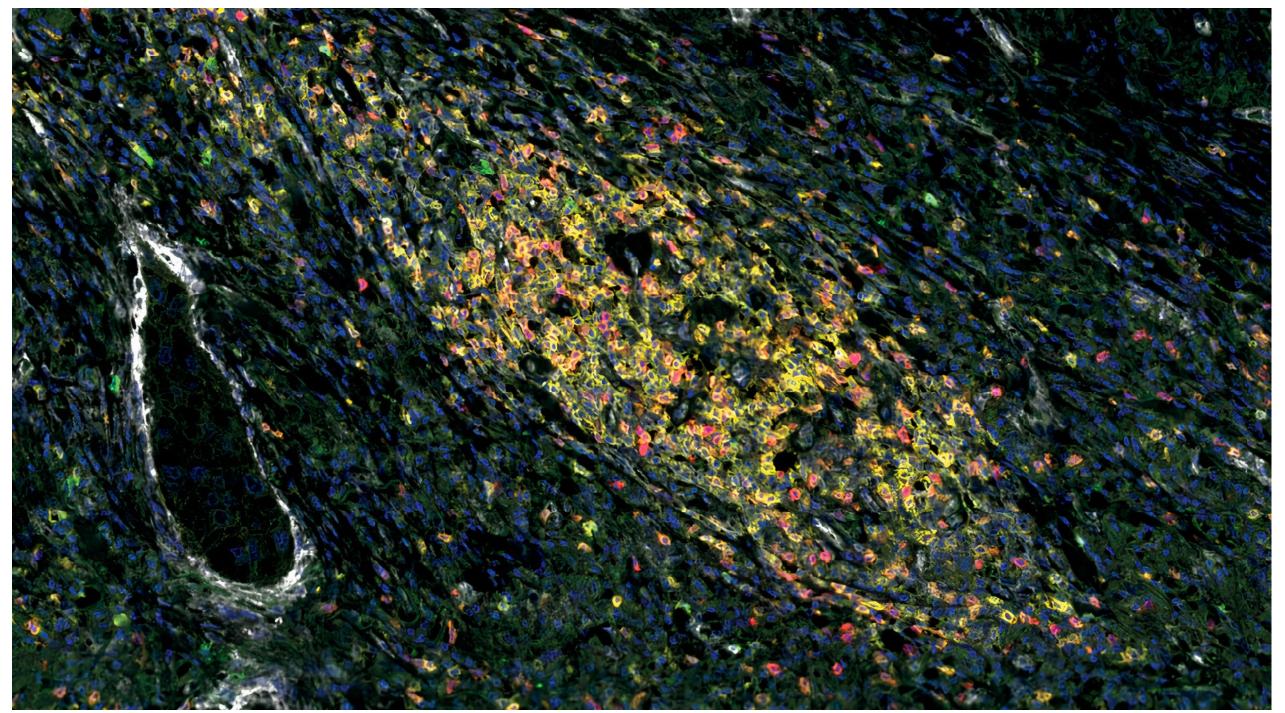


CD163 (Clone EDHu-1) IHC staining of Non-Small Cell Lung Cancer FFPE sample. Platform: Leica Bond III.

CD68 (Clone KP1) IHC staining of Non-Small Cell Lung Cancer FFPE sample. Platform: Leica Bond III.

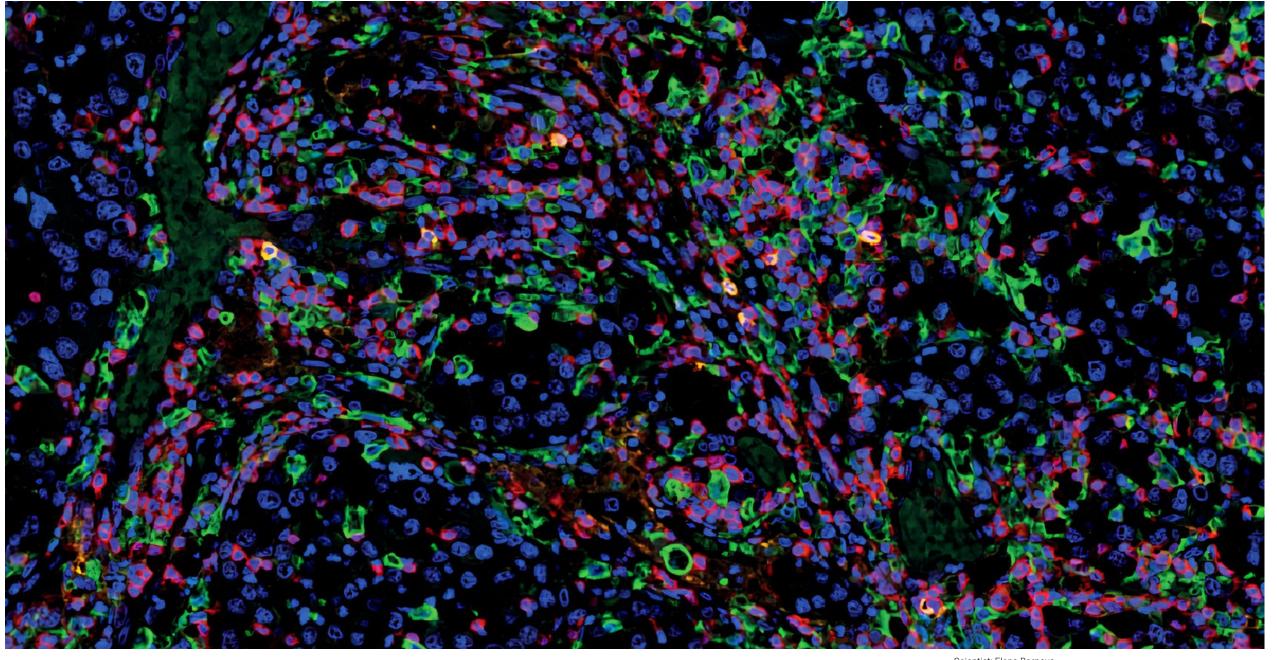


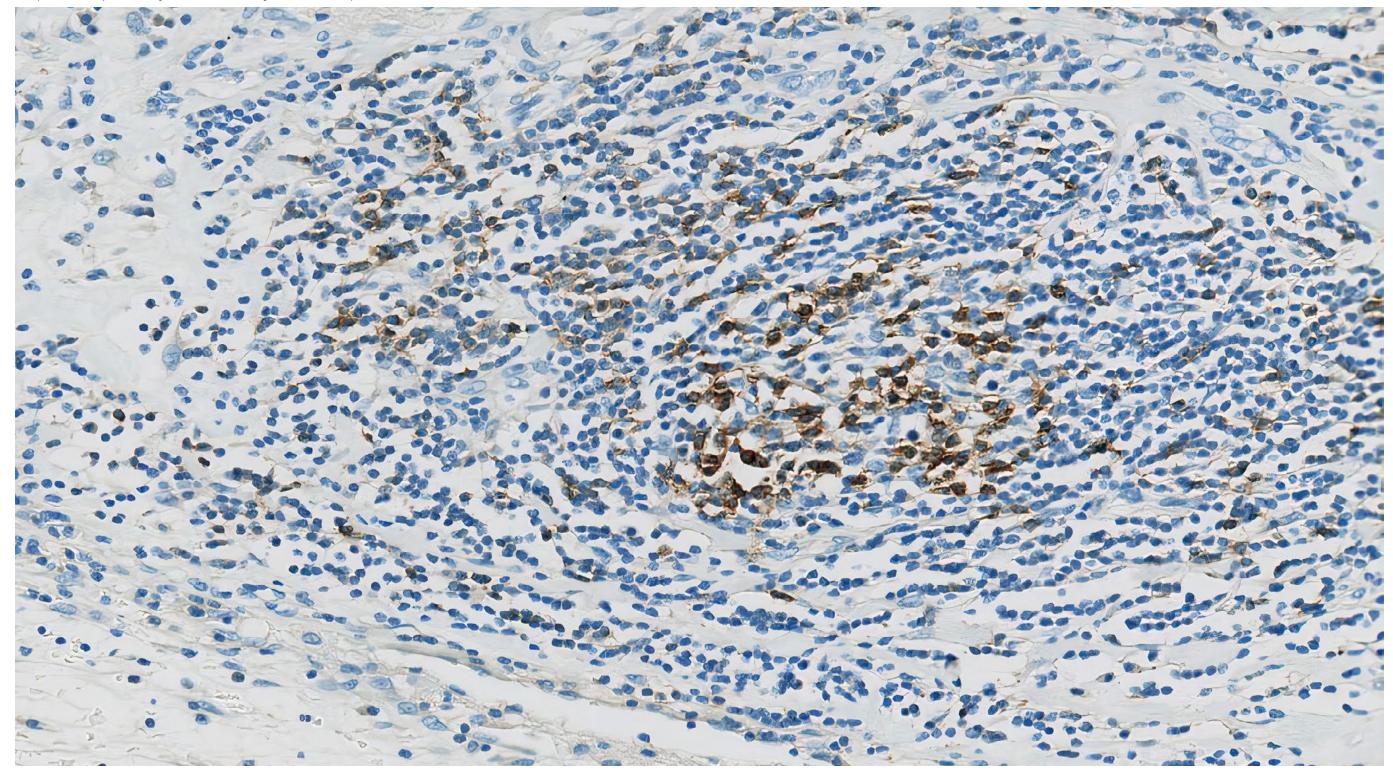
CD68 Expression in Non-Small Cell Lung Cancer.
Protocol used in Phase 1/2 clinical study to detect macrophages in solid tumors.



CD3 (Clone D7A6E, Red), CD8 (Clone 4B11, Orange), CD103 (Clone EPR4166(2), Green), CD69 (Clone EPR21814, Yellow), CD49a (Clone CL7207, White) multiplex IHC staining of Non-Small Cell Lung Cancer FFPE sample. Platform: Leica Bond RX.

CD3 (Clone D7A6E, Red), CD16 (Clone EPR16784, Green), CD56 (Clone MRQ-42, Orange) multiplex IHC staining of Non-Small Cell Lung Cancer FFPE sample. Platform: Leica Bond RX.

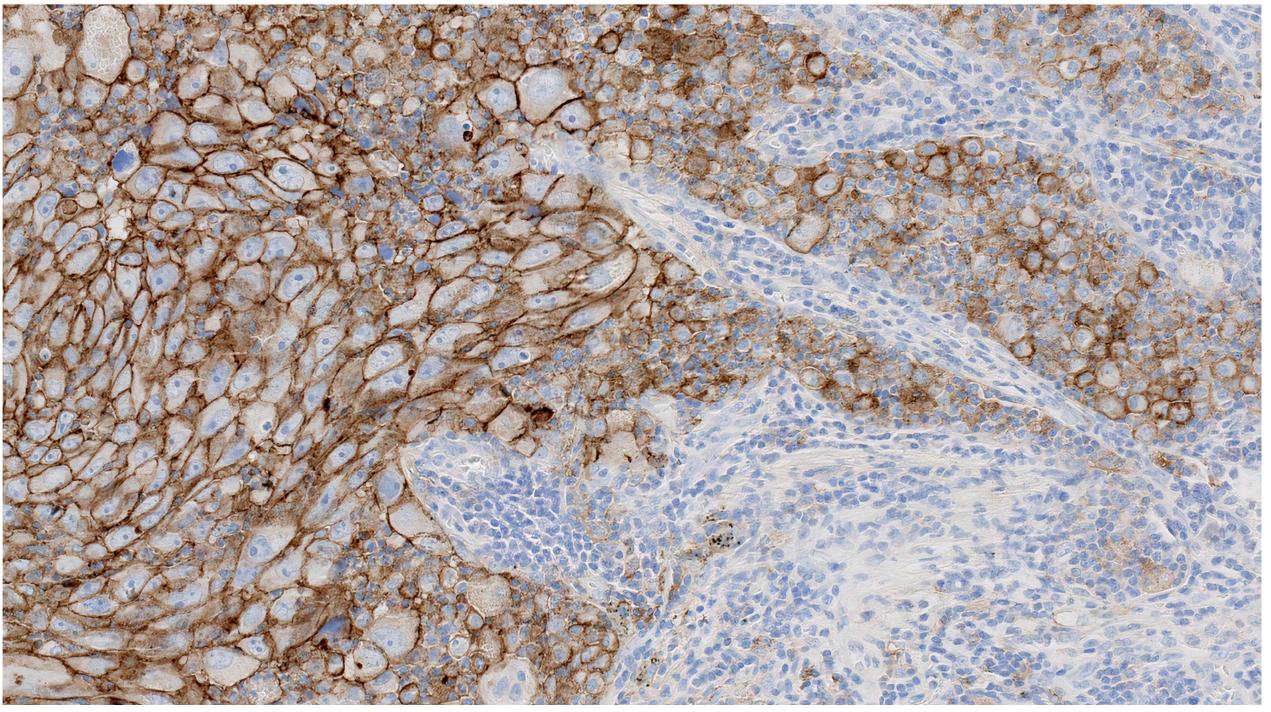


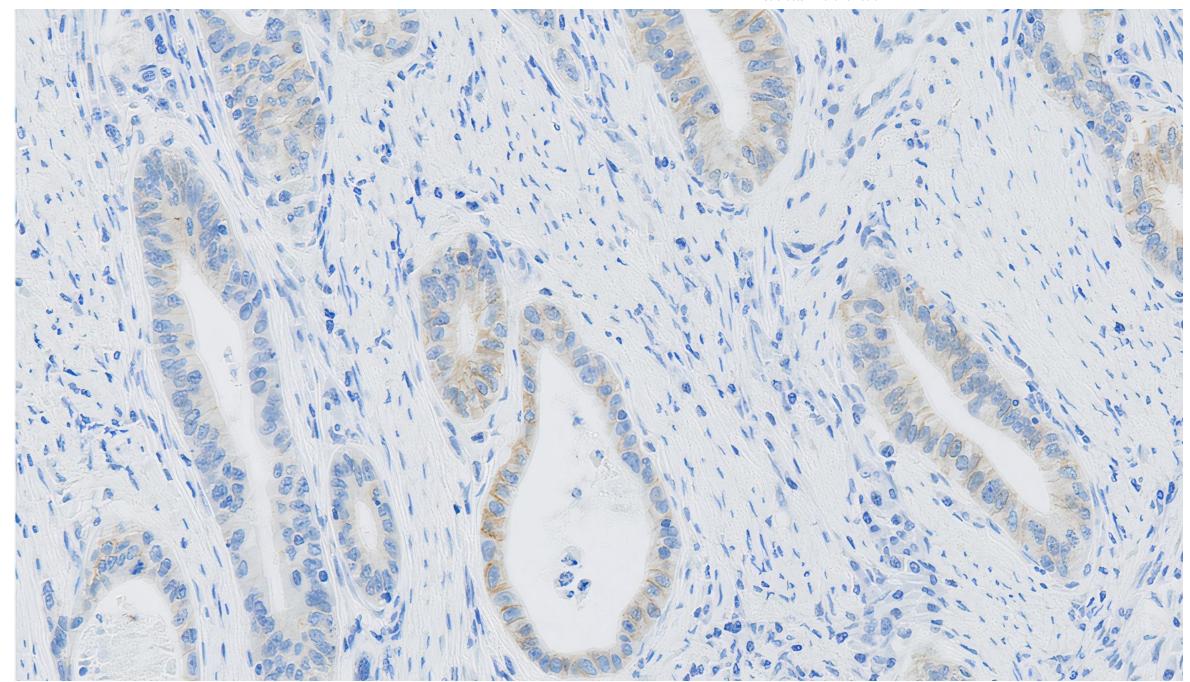


PD1 Expression in Non-Small Cell Lung Cancer.
Protocol used in a Phase 1 clinical study to detect PD1, a common target of immune checkpoint blockade, expression in solid tumors.

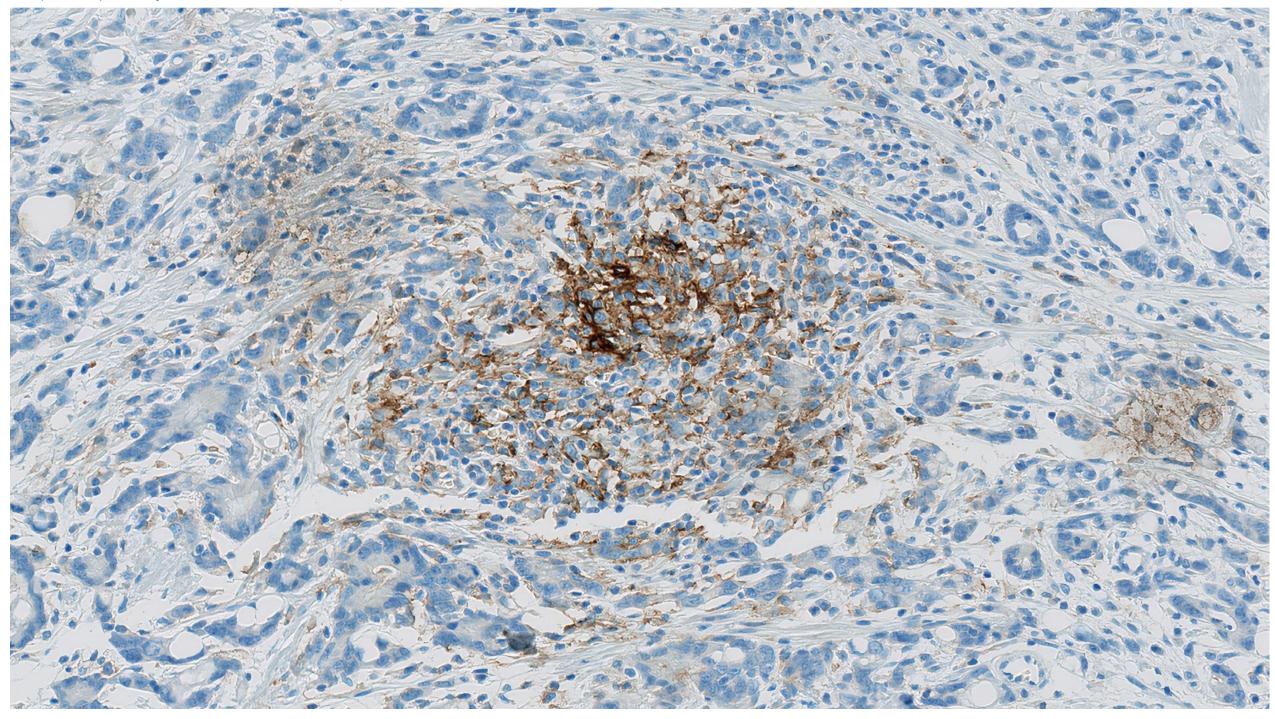
PD-L1 Expression in Non-Small Cell Lung Cancer.
PD-L1 IHC pharmDx is indicated as an aid in the assessment of non-small cell lung cancer patients to determine the most appropriate therapy based on the Tumor Proportion Score.

PD-L1 IHC 22C3 pharmDx (Clone 22C3) IHC staining of Non-Small Cell Lung Cancer FFPE sample. Platform: Dako Omnis.



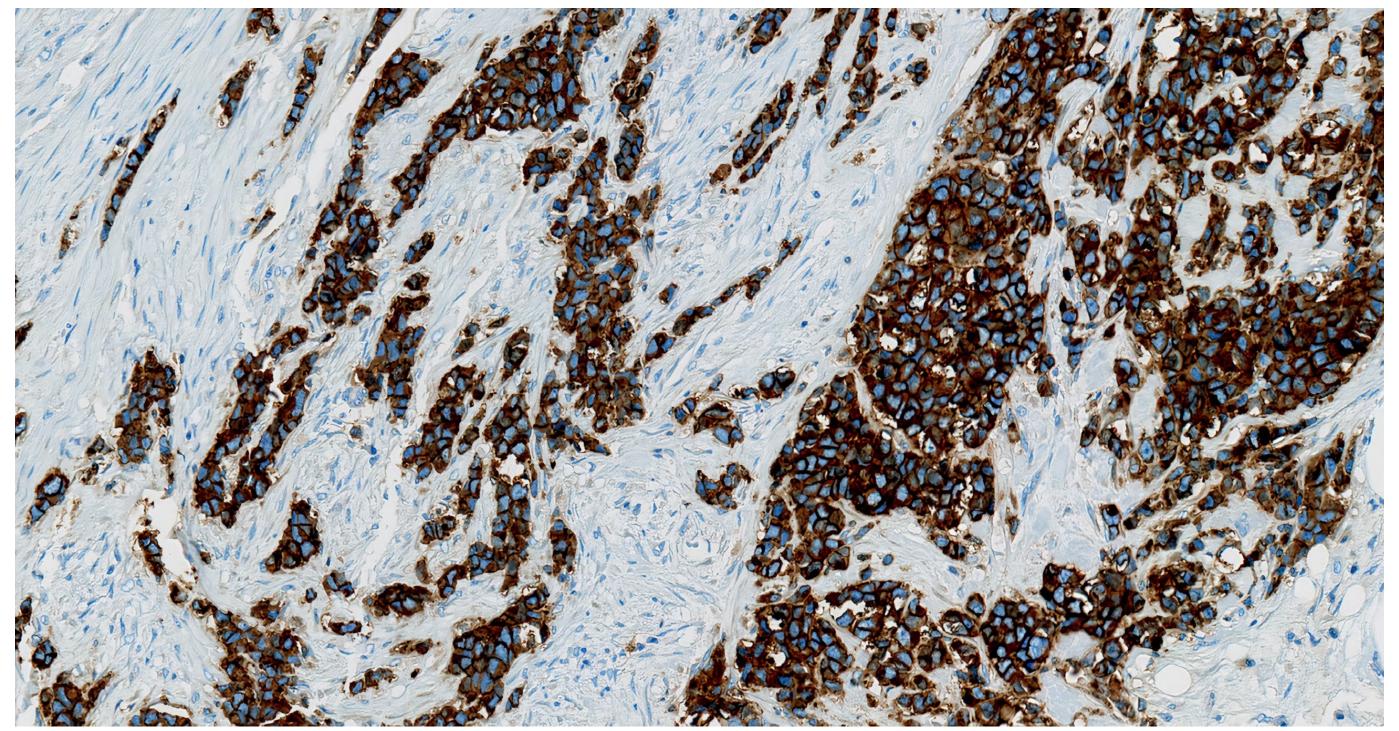


HercepTest™ mAB pharmDx Human Epidermal growth factor Receptor 2 (HER2) (Clone DG44) IHC staining of Gastric Cancer FFPE sample. Platform: Dako Omnis.

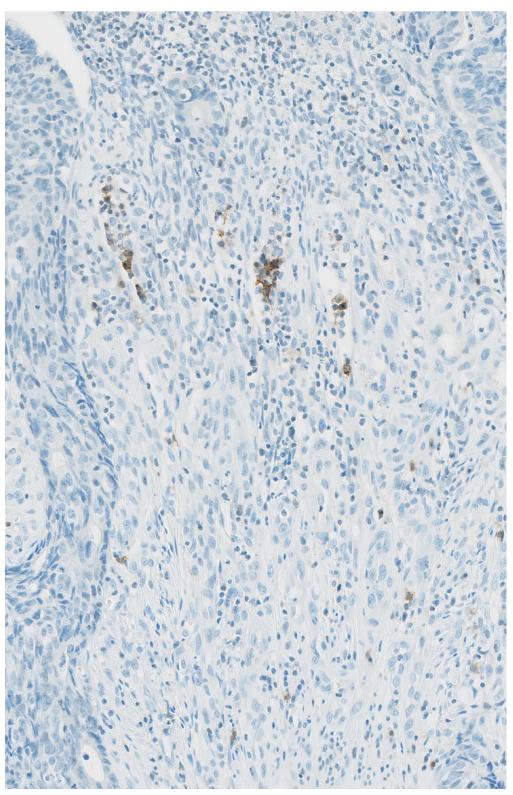


PD-L1 Expression in Gastric Cancer.
Protocol used in a Phase 1 clinical study to detect PD-L1, an immune inhibitory receptor ligand expressed in T and B cells as well as in various types of tumor cells.

Carcino-Embryonic Antigen (CEA) (clone CEA31) IHC staining of Human colon adenocarcinoma FFPE blocks. Platform: Benchmark XT.



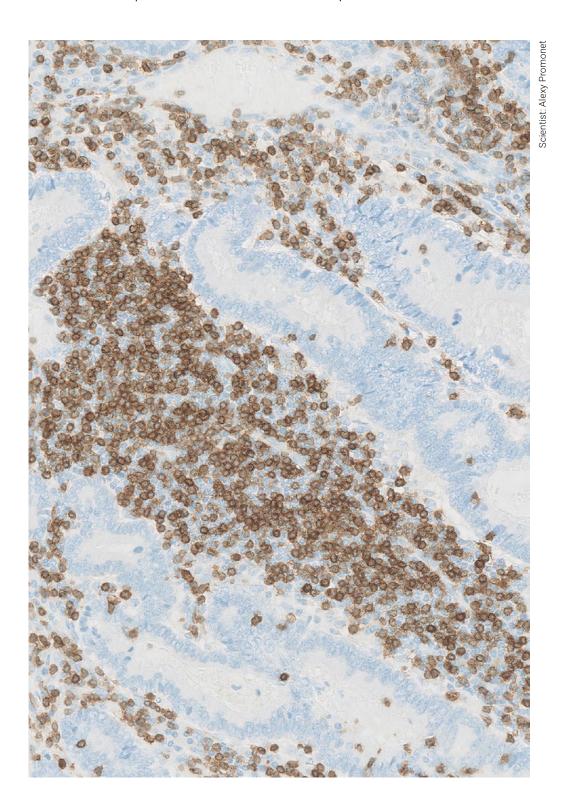
Scientists: Alexy Promonet



CD30 (Clone Ber-H2) IHC staining of colorectal adenocarcinoma FFPE sample. Platform: Benchmark ULTRA.

CD3 Expression in Colorectal Adenocarcinoma.

Protocol used in Phase 2 clinical studies for Pan T-Cells detection in atopic dermatitis and tumor samples.



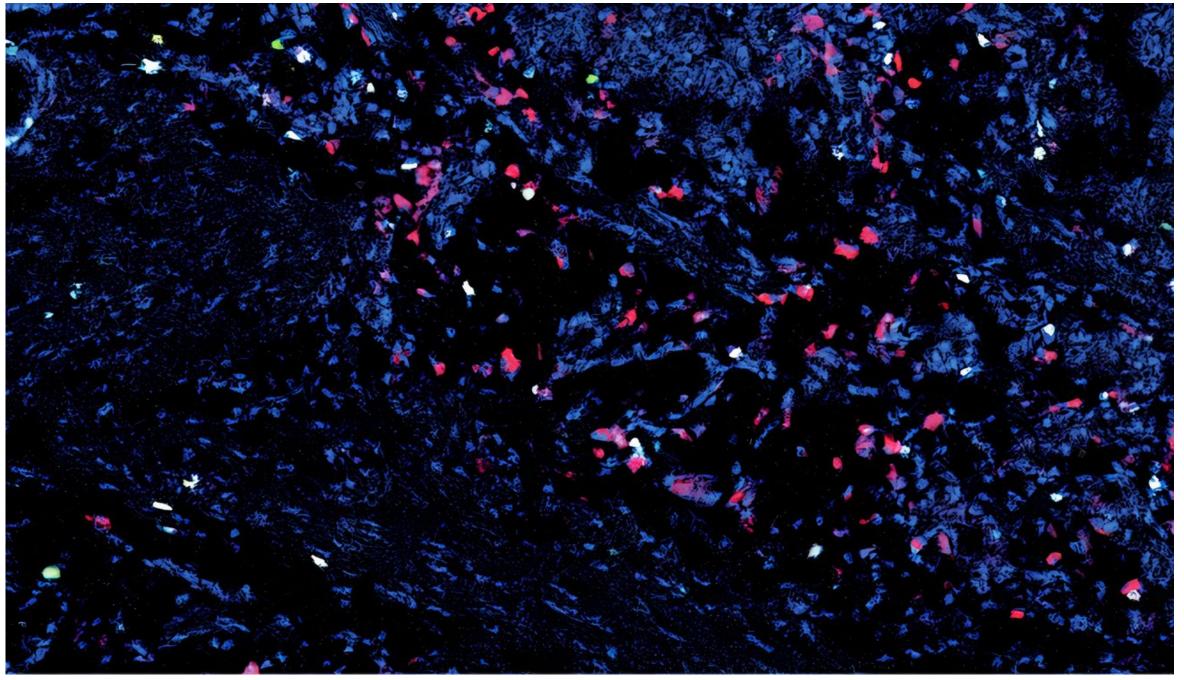
CD3 (Clone 2GV6) IHC staining of colorectal adenocarcinoma FFPE sample. Platform: Benchmark ULTRA.

Cd30 Expression in Colorectal Adenocarcinoma.

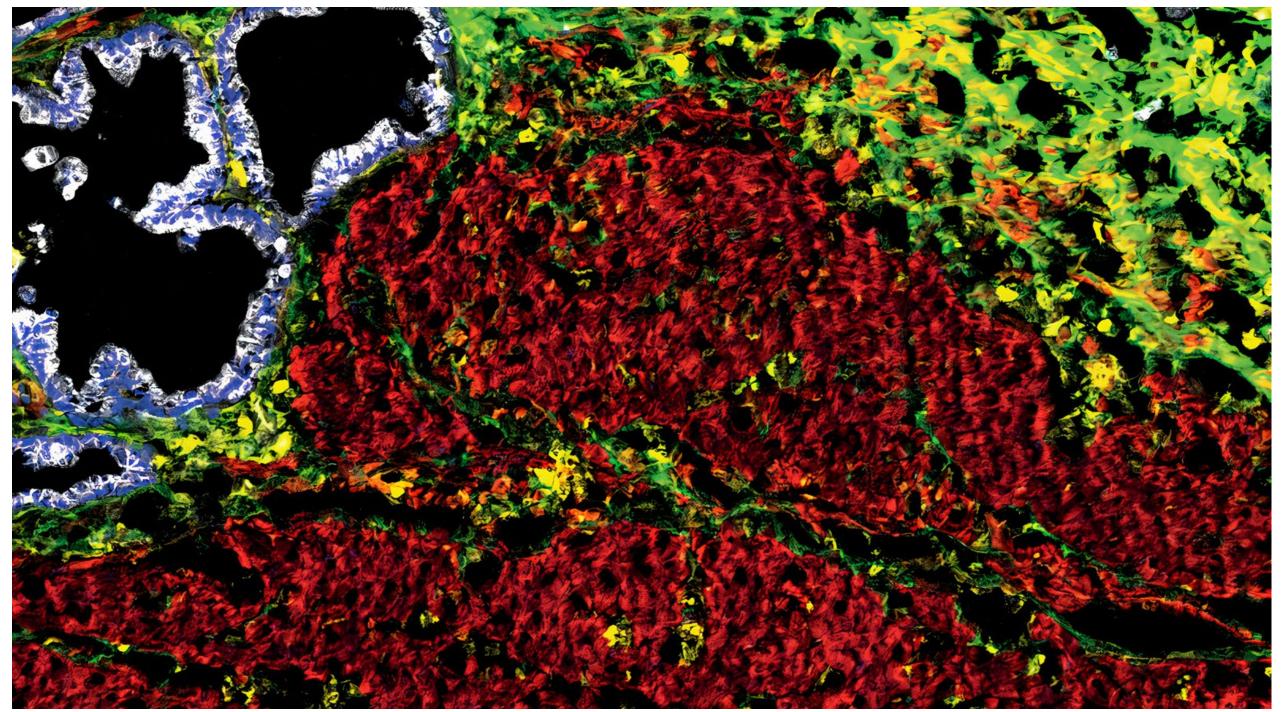
Protocol validated at a secondary endpoint level.

Imaging Mass Cytometry Multiplex in Healthy Frozen Tissues. Assay designed to detect different types of immune cells and to show tissue architecture.

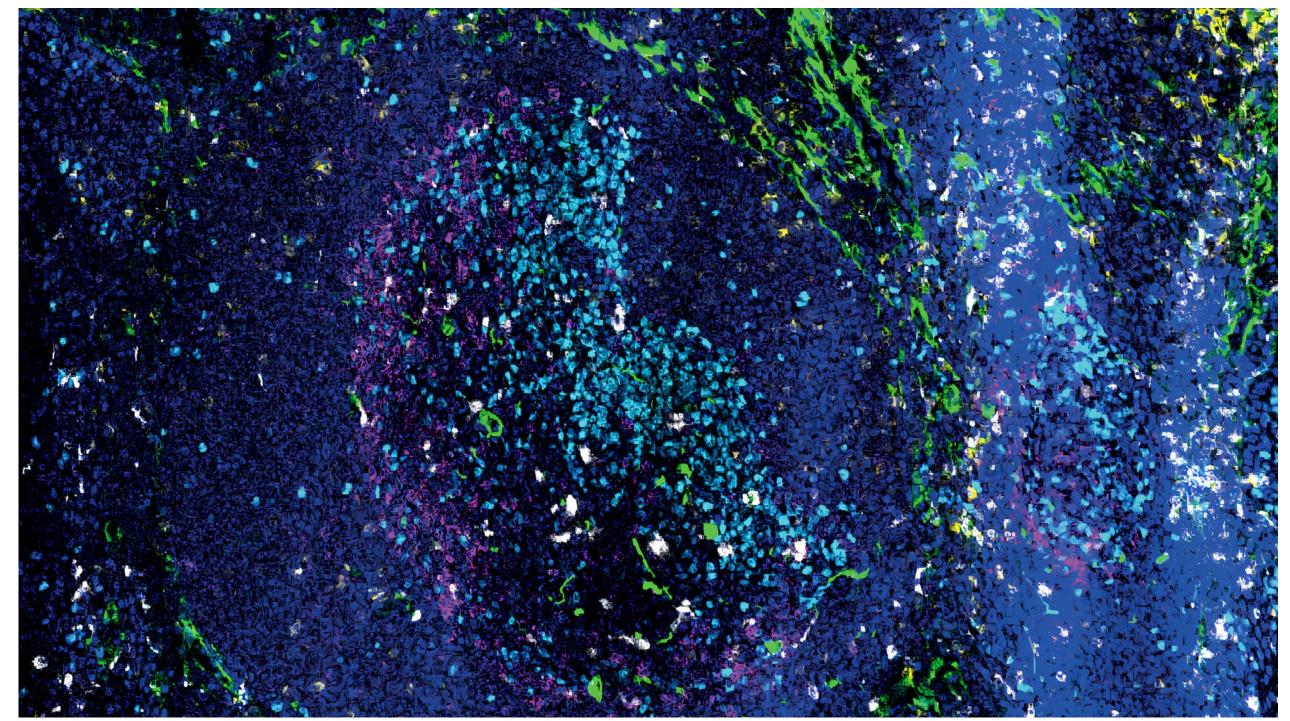
Representative image of 5 targets in a 12plex. CD45 (Clone D9M8I, Cyan), CD68 (Clone KP1, Red), CD8 (Clone RPA-T8, Yellow), KI67 (Clone B56, Lime green), CD3 (Clone UCHT1, White) multiplex IMC staining of Frozen Pancreas sample. Platform: Discovery ULTRA. Image acquired on Fluidigm Hyperion Platform.



Scientist: Elena Baranova



Representative image of 4 targets in a 12plex. Alpha-SMA (Clone 1A4, Red), Vimentin (Clone RV202, Yellow), PanCK (Clone C11, White), Collagen I (Polyclonal, Lime green) multiplex IMC staining of Frozen Pancreas sample. Platform: Discovery ULTRA. Image acquired on Fluidigm Hyperion Platform.

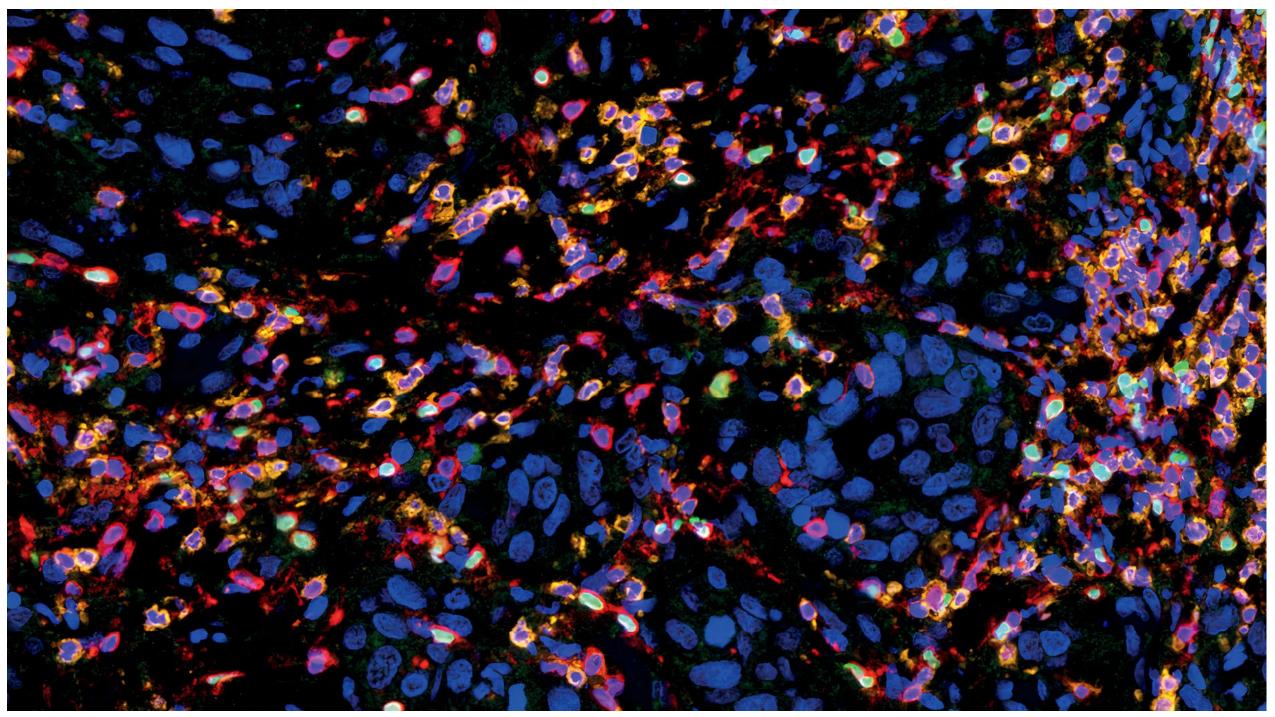


Representative image of 5 targets in a 12plex. CD68 (Clone KP1, White), CD8 (Clone RPA-T8, Yellow), PD1 (Clone EH12.2H7, Magenta), KI67 (Clone B56, Cyan), Collagen (Polyclonal, Lime green) multiplex IMC staining of Frozen Tonsil sample. Platform: Discovery ULTRA. Image acquired on Fluidigm Hyperion Platform.

Cytotoxic and Regulatory T-Cells Identification in Solid Tumors.

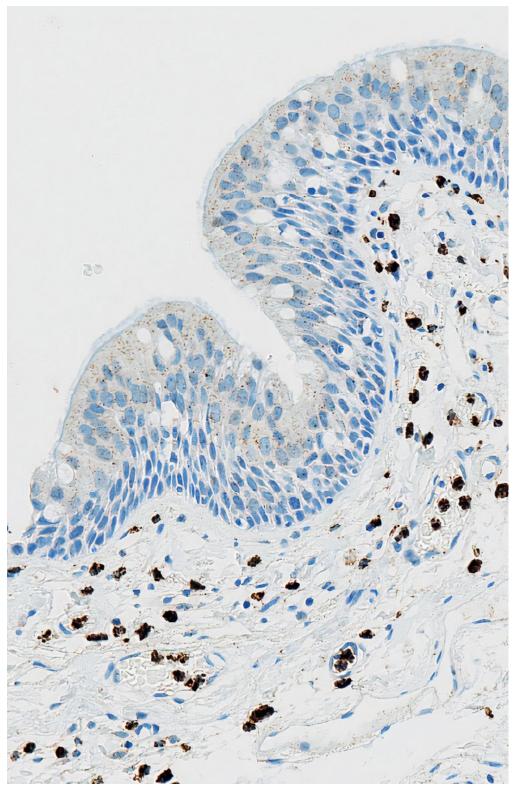
Protocol used in a Phase 1 clinical study to detect cytotoxic
T-Cells and regulatory T-Cells in solid tumors.

CD3 (Clone 2GV6, Red), CD8 (Clone AMC908, Orange) and FoxP3 (Clone 236A/E7, Green) multiplex IHC staining of Head and Neck Squamous Cell Carcinoma FFPE sample. T-Cells are identified by CD3 staining, Cytotoxic and regulatory subpopulations are identified by CD8 and FoxP3 staining respectively. Platform: Ventana Discovery ULTRA.



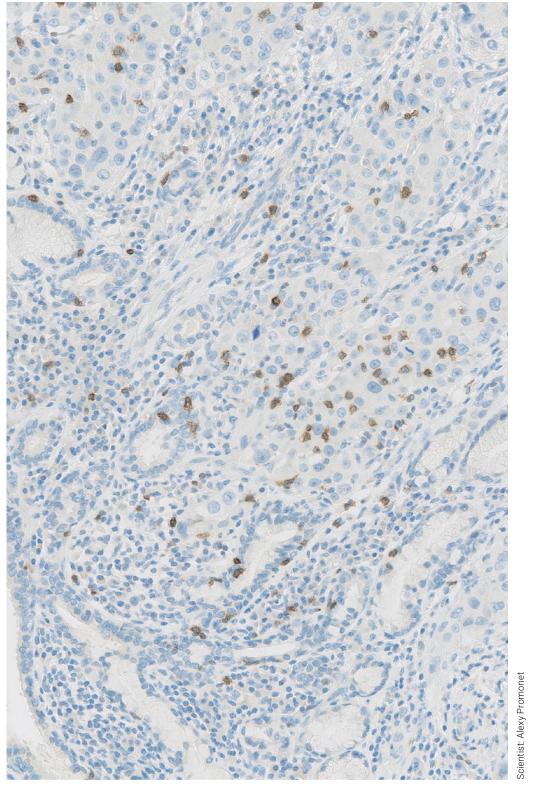
Neutrophil Elastase Expression in Head and Neck Squamous Cell Carcinoma. Protocol used in a Phase 1 clinical study in

Protocol used in a Phase 1 clinical study to detect neutrophil infiltration in solid tumors.

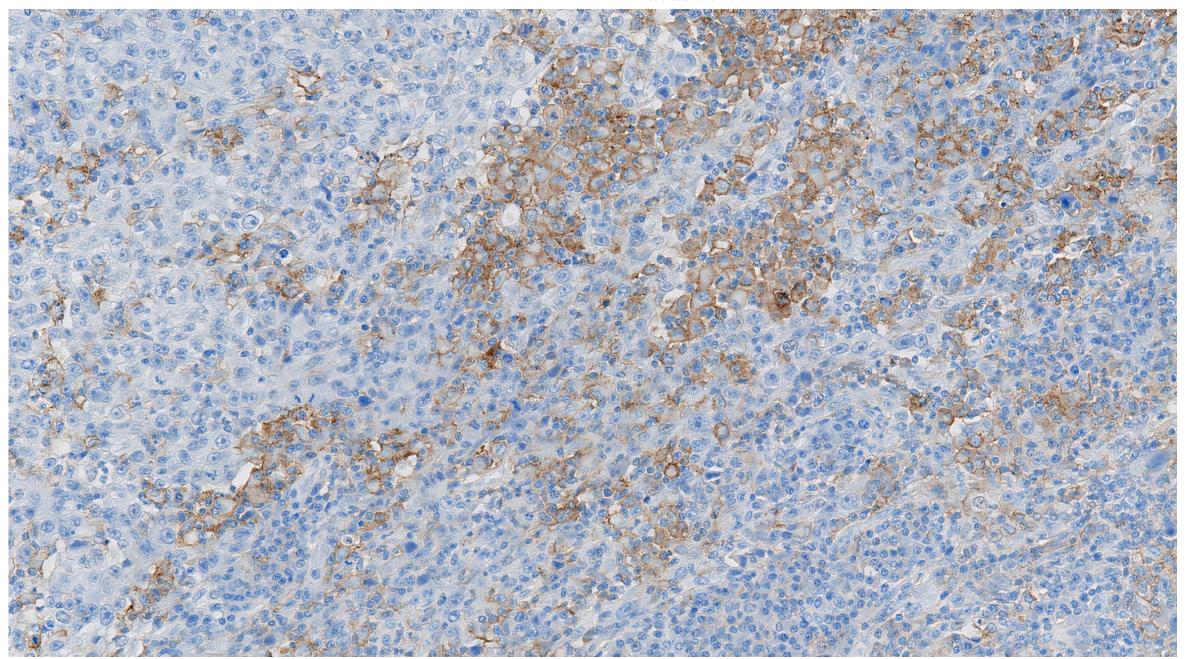


Neutrophil Elastase (Clone SP203) IHC staining of Larynx squamous cell carcinoma FFPE sample. Platform: Benchmark ULTRA.

NKp46 (Clone EPR2240357) IHC staining of Larynx Squamous Cell Carcinoma FFPE sample. Platform: Benchmark ULTRA.



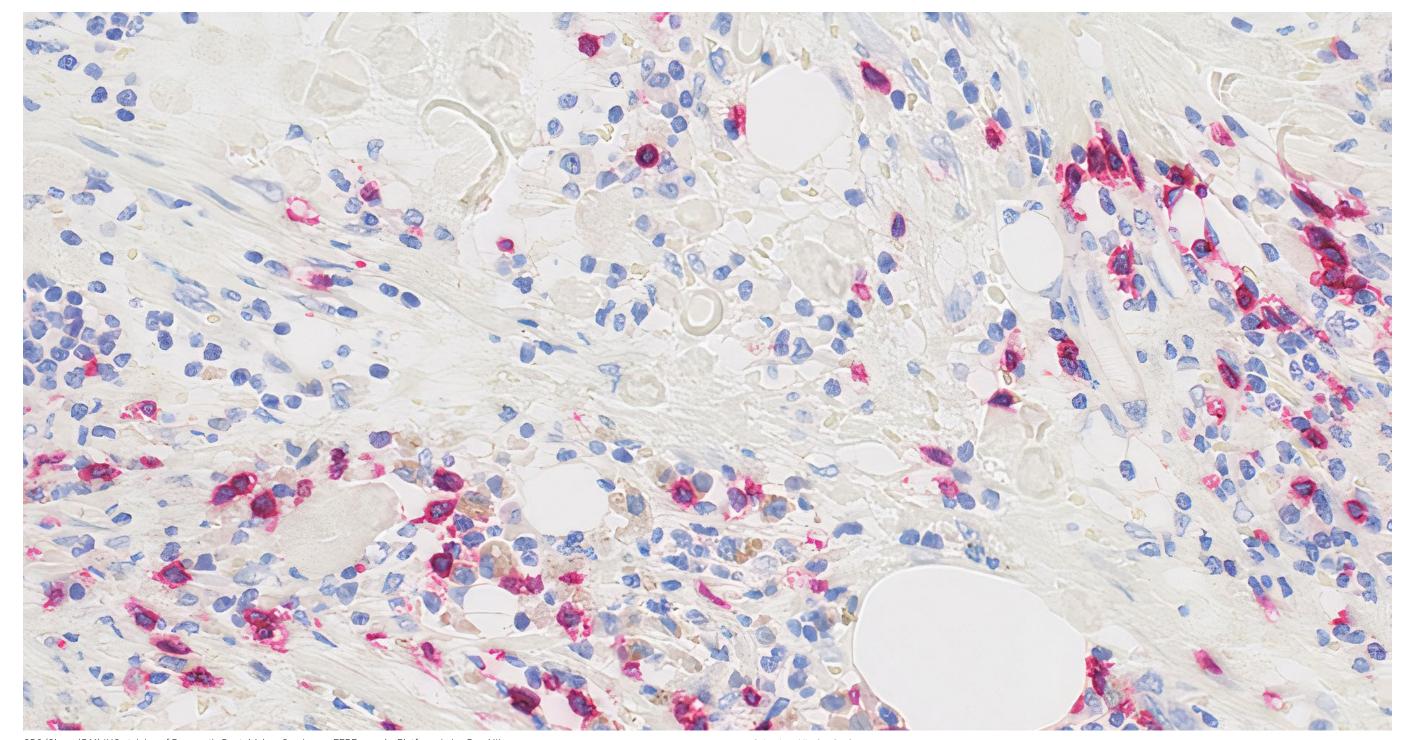
Natural Killer Cells in Head and Neck Squamous Cell Carcinoma. Assay designed to be used in a Phase 1b clinical study to detect NK cells in solid tumors.



PD-L1 IHC 22C3 pharmDx (Clone 22C3) IHC staining of Pharynx Cancer FFPE sample. Platform: Dako Omnis.

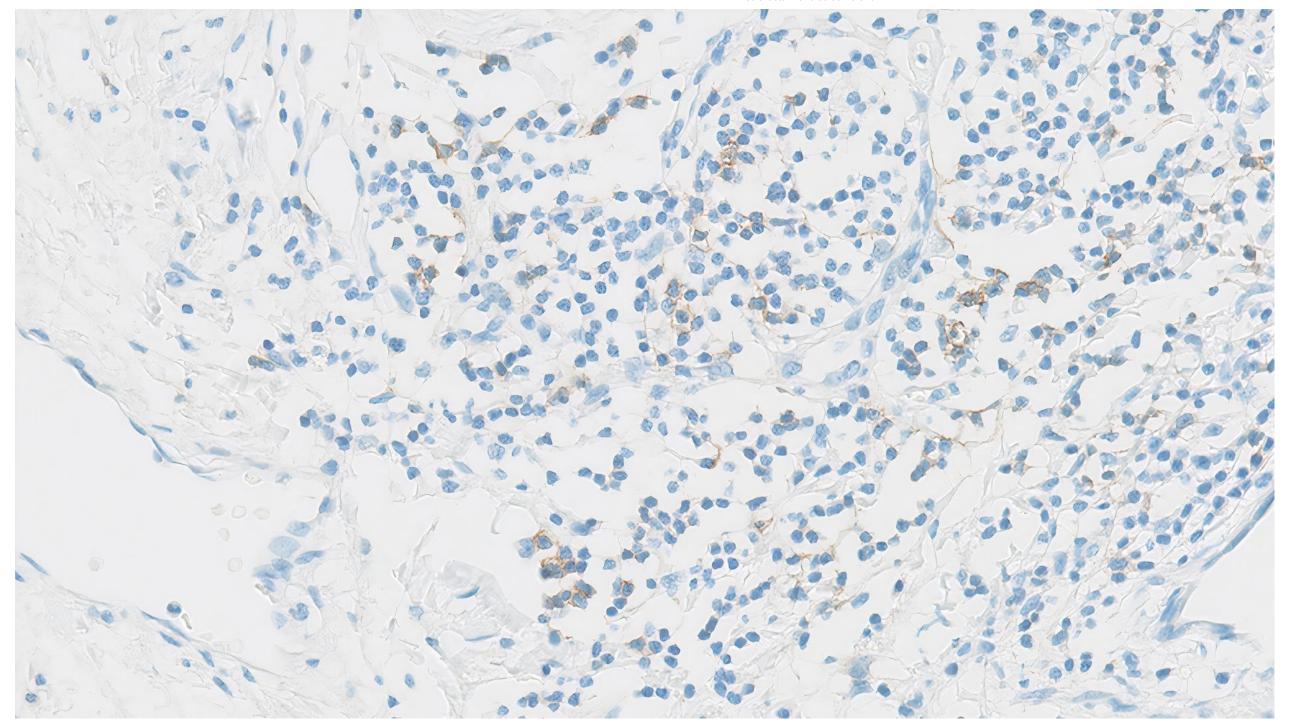
PD-L1 Expression in Head and Neck Cancer.
PD-L1 IHC pharmDx is indicated as an aid in the assessment of head and neck cancer patients to determine the most appropriate therapy based on the Combined Positive Score.

Cd8 Expression in Pancreatic Ductal Adenocarcinoma.
Protocol used in Phase 1/2 clinical study to detect activated T-Cells in solid tumors.



CD8 (Clone 4B11) IHC staining of Pancreatic Ductal AdenoCarcinoma FFPE sample. Platform: Leica Bond III.

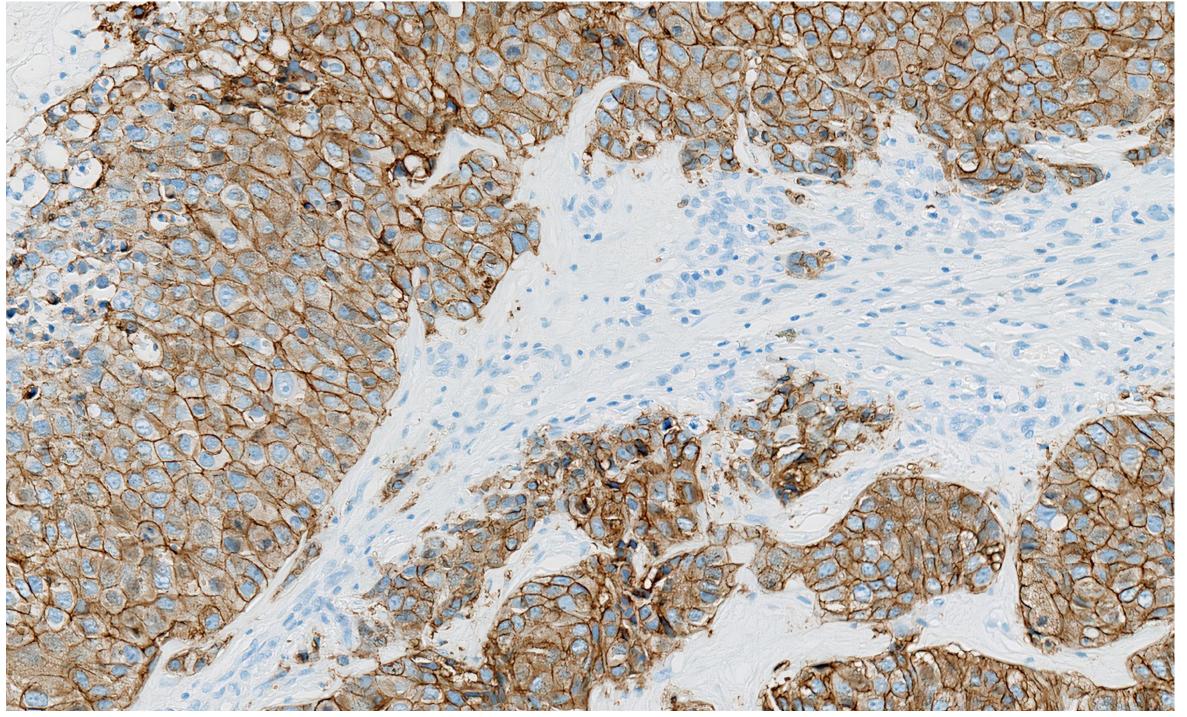
Scientists: Nicolas Goulange



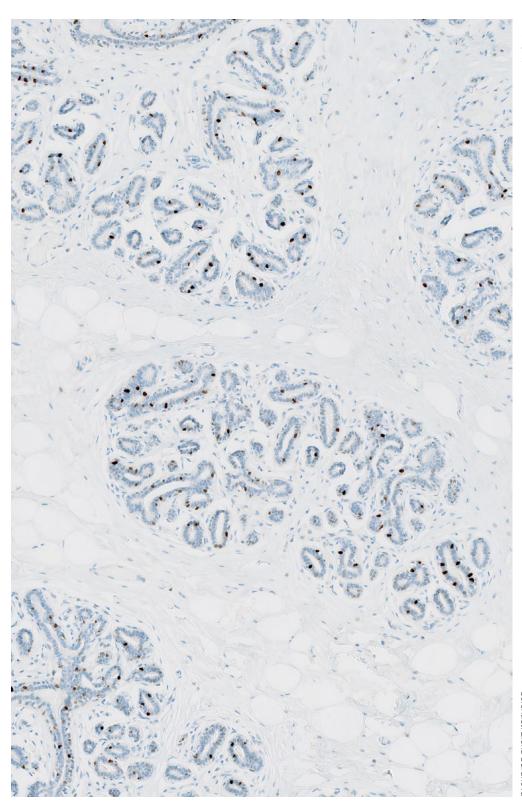
PD1 (Clone NAT105) IHC staining of Pancreatic Ductal AdenoCarcinoma FFPE sample. Platform: Ventana Benchmark ULTRA.

PD1 Expression in Pancreatic Ductal Adenocarcinoma. Protocol used in a Phase 1 clinical study to detect PD1, a common target of immune checkpoint blockade, expression in solid tumors.

Human Epidermal growth factor Receptor 2 (HER2) (Clone 4B5) IHC staining of Breast Cancer FFPE sample. Platform: Ventana Benchmark ULTRA.



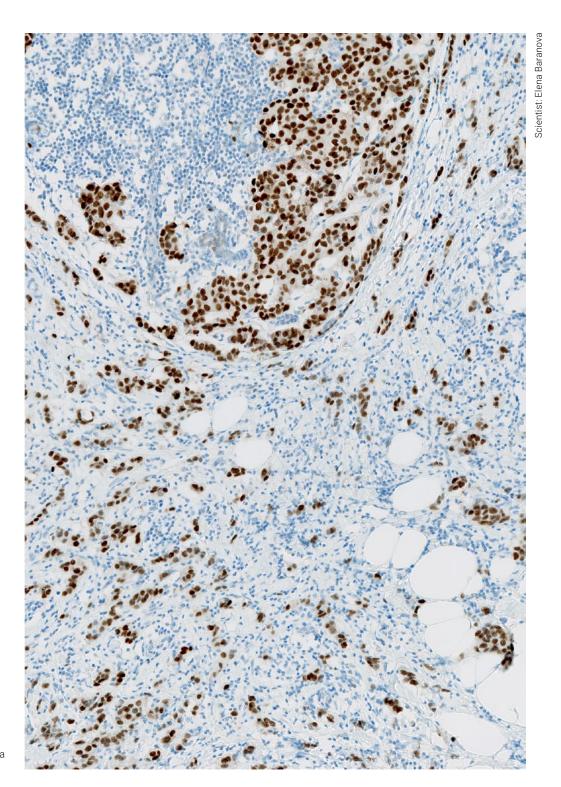
Scientists: Elena Baranova



Progesterone Receptor (PR) (Clone 1E2) IHC staining of Breast Cancer FFPE sample. Platform: Ventana Benchmark ULTRA.

Estrogen Receptor Expression in Breast Cancer.

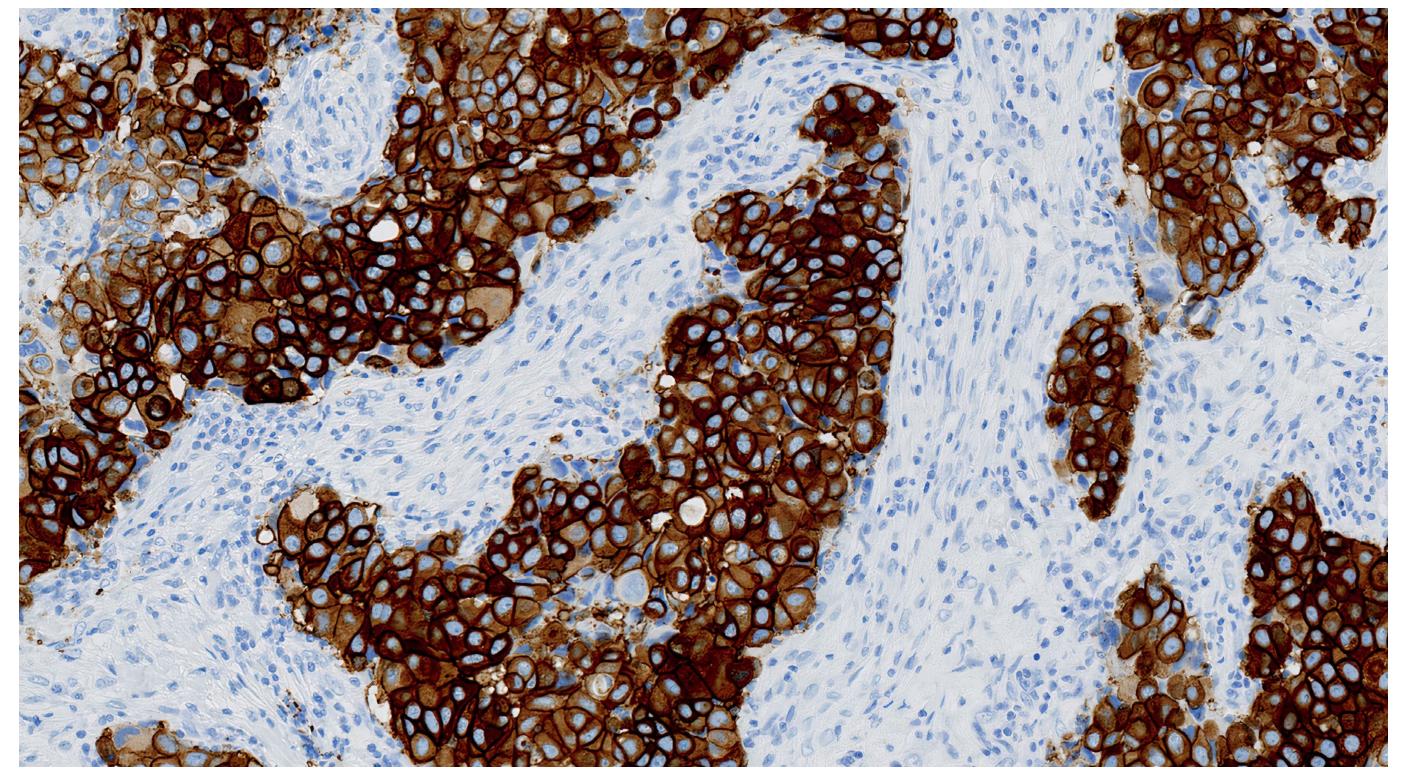
IVD protocol used in breast cancer hormone receptor status.



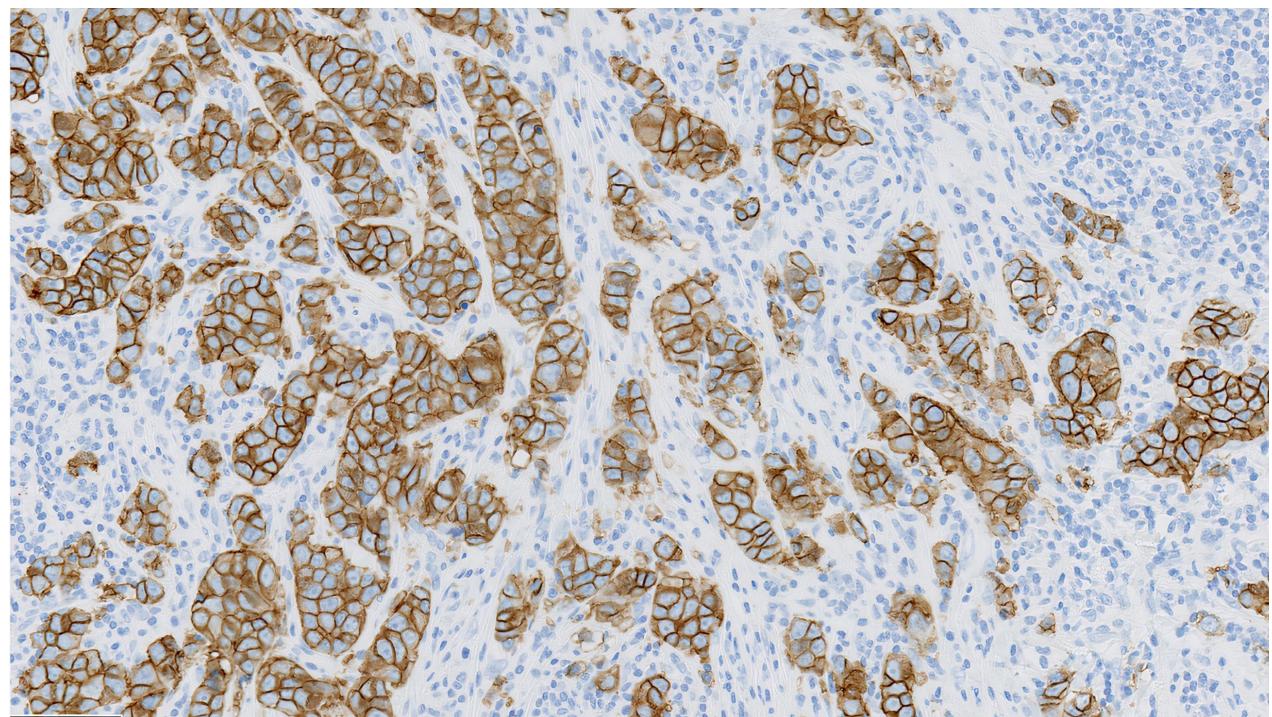
Estrogene Receptor (ER) (Clone SP1) IHC staining of Breast Cancer FFPE sample. Platform: Ventana Benchmark ULTRA.

Progesterone Receptor Expression in Breast Cancer.

IVD protocol used in breast cancer hormone receptor status.



HercepTest™ mAB pharmDx Human Epidermal growth factor Receptor 2 (HER2) (Clone DG44) IHC staining of Breast Cancer FFPE sample. Platform: Dako Omnis.



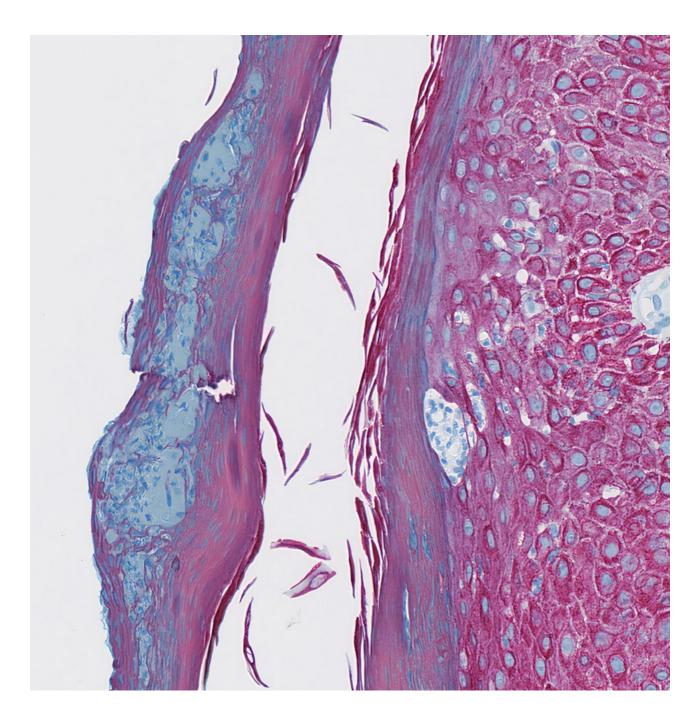
HercepTest™ mAB pharmDx Human Epidermal growth factor Receptor 2 (HER2) (Clone DG44) IHC staining of Gastric Cancer FFPE sample. Platform: Dako Omnis.

Contact Us.

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Cerba Research HQ

Industriepark Zwijnaarde 3 9052 Ghent, Belgium +32 9 329 23 29 marketing@cerbaresearch.com cerbaresearch.com



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