Clinical biomarkers

- Multidisciplinary testing platforms, including pathology, flow-cytometry and molecular biology technologies
- Enabling support to detect, develop, and validate biomarkers of cancer
- Essential guidance for early clinical development of candidate drugs

Platform and facility


COLLEGE of AMERICAN PATHOLOGISTS

CERTIFICATE OF ACCREDITATION

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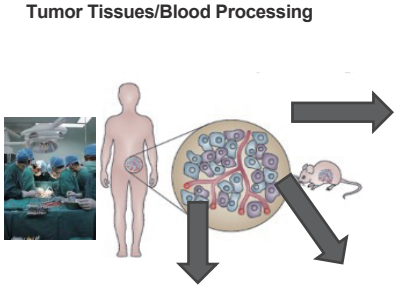
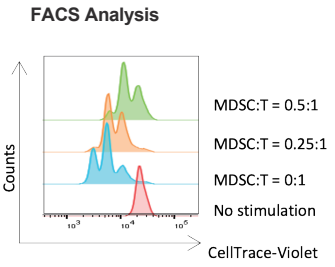
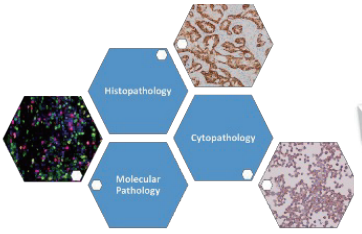
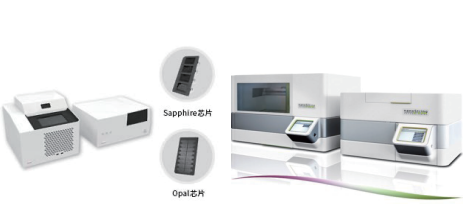


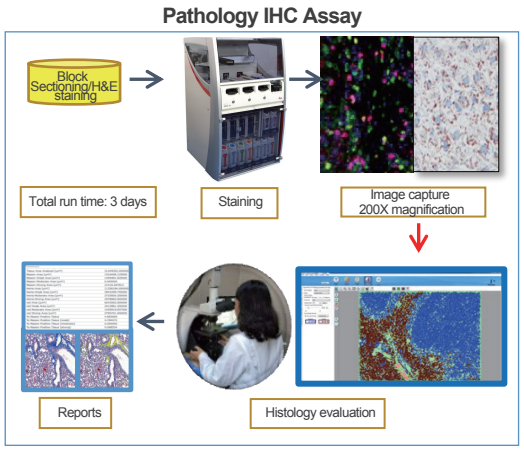


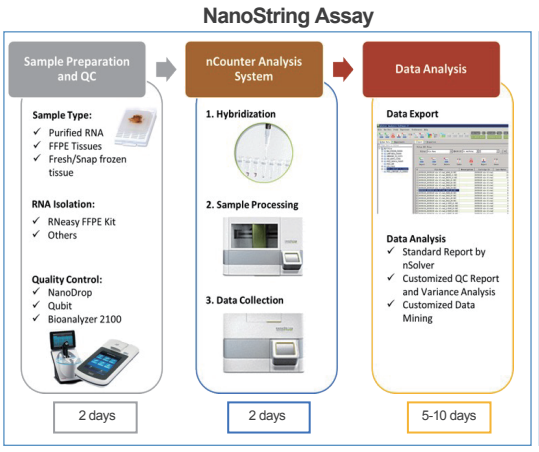
- CAP-accredited clinical biomarker lab has been established since 2015
- End-to-end services in pathology, flow cytometry, and molecular biology
- Rigorous quality management system and well-established sample and data management procedures

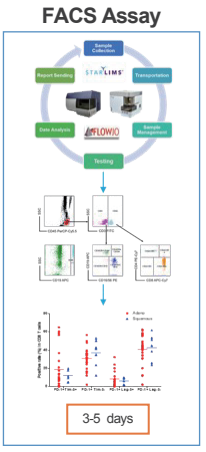




Workflow and turnaround time







- Development, validation and optimization of new biomarker assay/panel : 2-3 months for pathology, 3-4 months for flow cytometry
- Clinical sample testing: 2-5 business days

Contact us

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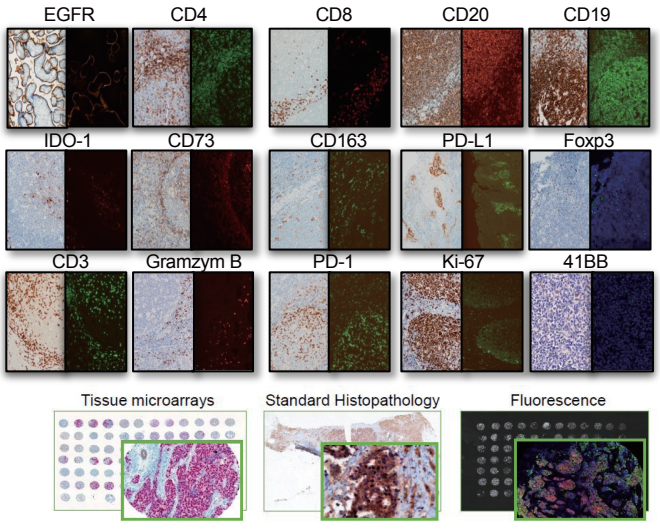
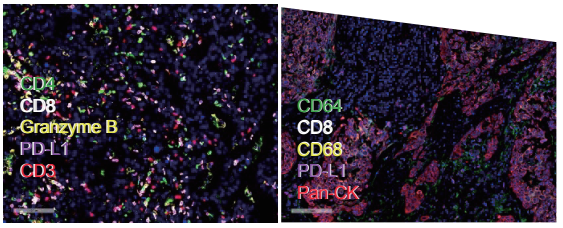
Application in clinical trials

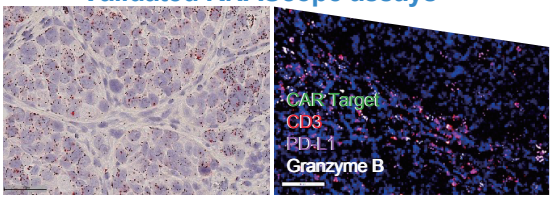
Validated single IHC/IF among human tissues



Validated mIF panels for TME analysis

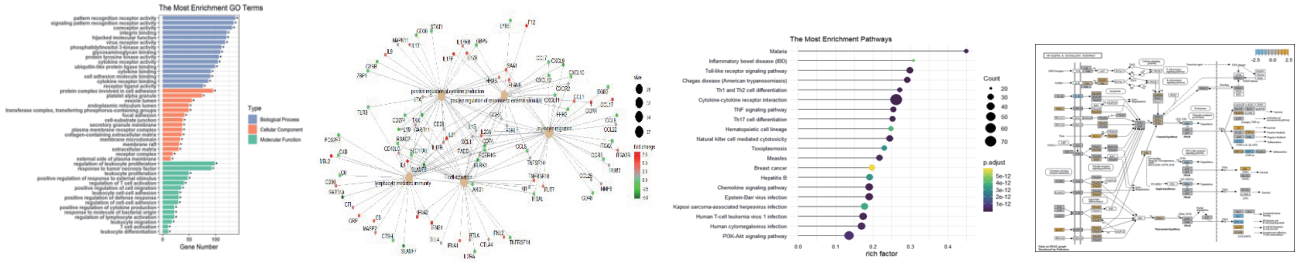


Validated RNAScope assays

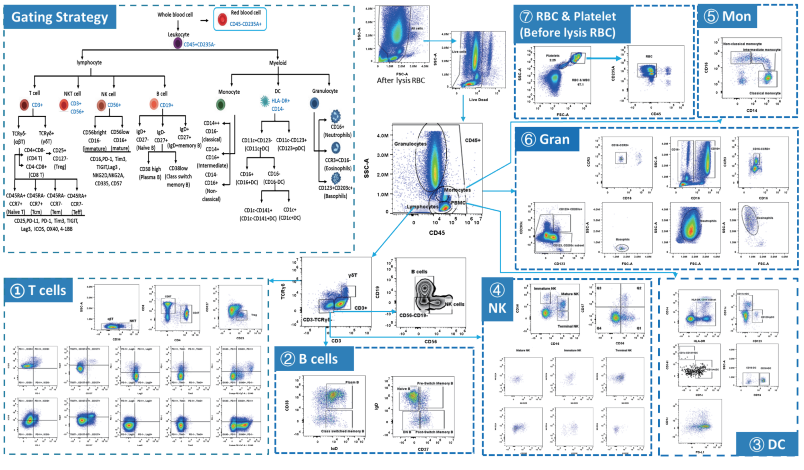


Establishing various tissue staining and whole slide image(WSI) analysis
HE/IHC/multiplex IF/RNAscope/FISH/ISH+IHC, with direct labeling and TSA multiplex IF staining technology
Quantitative pathology to interrogate protein/RNA expression in cancer, HALO vs InForm digital pathological analysis
Invested World-class scanners–multispectral imaging, Single Cell Resolution
HALO-LINK for DATA and whole scanned Image sharing

Application of NanoString technology - mechanism of action



Application of clinical-related flow cytometry - peripheral blood analysis in a single panel



- Multi gene and protein expression analysis utilizing multidisciplinary biomarker testing platforms to support the advancement of biomarkers in clinical trials for cancermmunotherapy
- Board-certified pathologists and immunologists with extensive knowledge and experience in oncology and immunology
- Well-trained and qualified technicians and skilled project managers to ensure proficient testing services
- Well-established management system to guarantee the high standards of accuracy and reliability
- CAP-accreditation and the compliance with GCP regulations for clinical trials