

Comprehensive genomic and tailored biomarker insights for optimal therapy selection in a single order

Cancer type	Cancer type-specific IHC additions
Biliary/Cholangiocarcinoma	PD-L1 (22C3), HER2 CDx, CLDN18.2
Bladder	PD-L1 (22C3), HER2
Breast	ER, PR, HER2 CDx, PD-L1 CDx* (22C3), Ki-67, AR
Cervical	PD-L1 CDx (22C3), HER2
Colorectal	HER2
Endometrial/Uterine carcinoma	PD-L1 (22C3), HER2 CDx, ER, p53, PR, PTEN
Esophageal adenocarcinoma (EAC)	PD-L1 CDx (22C3), HER2, CLDN18.2, PD-L1 CDx (28-8)
Esophageal squamous cell carcinoma (ESCC)	PD-L1 CDx (22C3)
Gastric/GEJ	PD-L1 CDx (22C3), HER2 CDx, CLDN18.2 CDx, PD-L1 CDx (28-8)
Head and neck squamous cell carcinoma (HNSCC)	PD-L1 CDx (22C3), HER2, HPV RNA ISH Panel
Hepatocellular carcinoma	PD-L1 (22C3), HER2
Melanoma	PD-L1 (22C3)
Non-small cell lung cancer (NSCLC)**	PD-L1 CDx (22C3), PD-L1 CDx (SP142), c-MET CDx, ALK CDx, HER2, ROS1
Ovarian/Fallopian/Peritoneal	PD-L1 CDx (22C3), FOLR1 CDx, HER2, ER, PR, HRD [†] through NGS-based scoring
Pancreatic	PD-L1 (22C3), HER2, CLDN18.2
Prostate	PTEN CDx, PD-L1 (22C3), HER2, AR
Renal/Renal Cell Carcinoma (RCC)	PD-L1 (22C3), HER2
Sarcoma/GIST	PD-L1 (22C3), HER2
Thyroid	PD-L1 (22C3), HER2
Cancer of unknown primary (CUP)	PD-L1 (22C3), HER2
Other	PD-L1 (22C3), HER2

HER2 FISH reflex will occur for resulted 2+ equivocal IHC results.

If selected with order, PanTracer LBx will be added as a reflex if tissue testing is not possible or fails.

When tissue is limited, tests will be performed in the order listed above.

* For breast cases, PD-L1 (22C3) serves as a companion diagnostic in triple-negative breast cancer (TNBC).

** PD-L1 CDx 28-8 and PD-L1 CDx SP263 are available to add to NSCLC cases by request.

[†] Our HRD assessment covers BRCA1/BRCA2 mutation status and tumor genomic instability score (GIS) - including LOH, TAI and LST.

HRD scoring is validated for primary epithelial ovarian tumors only and is not available to New York State clients.

CDx = companion diagnostic; FISH = fluorescence in situ hybridization; GEJ = gastroesophageal junction; GIST = gastrointestinal stromal tumor; HPV = human papillomavirus; HRD = homologous recombination deficiency; IHC = immunohistochemistry; ISH = in situ hybridization; NGS = next-generation sequencing

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