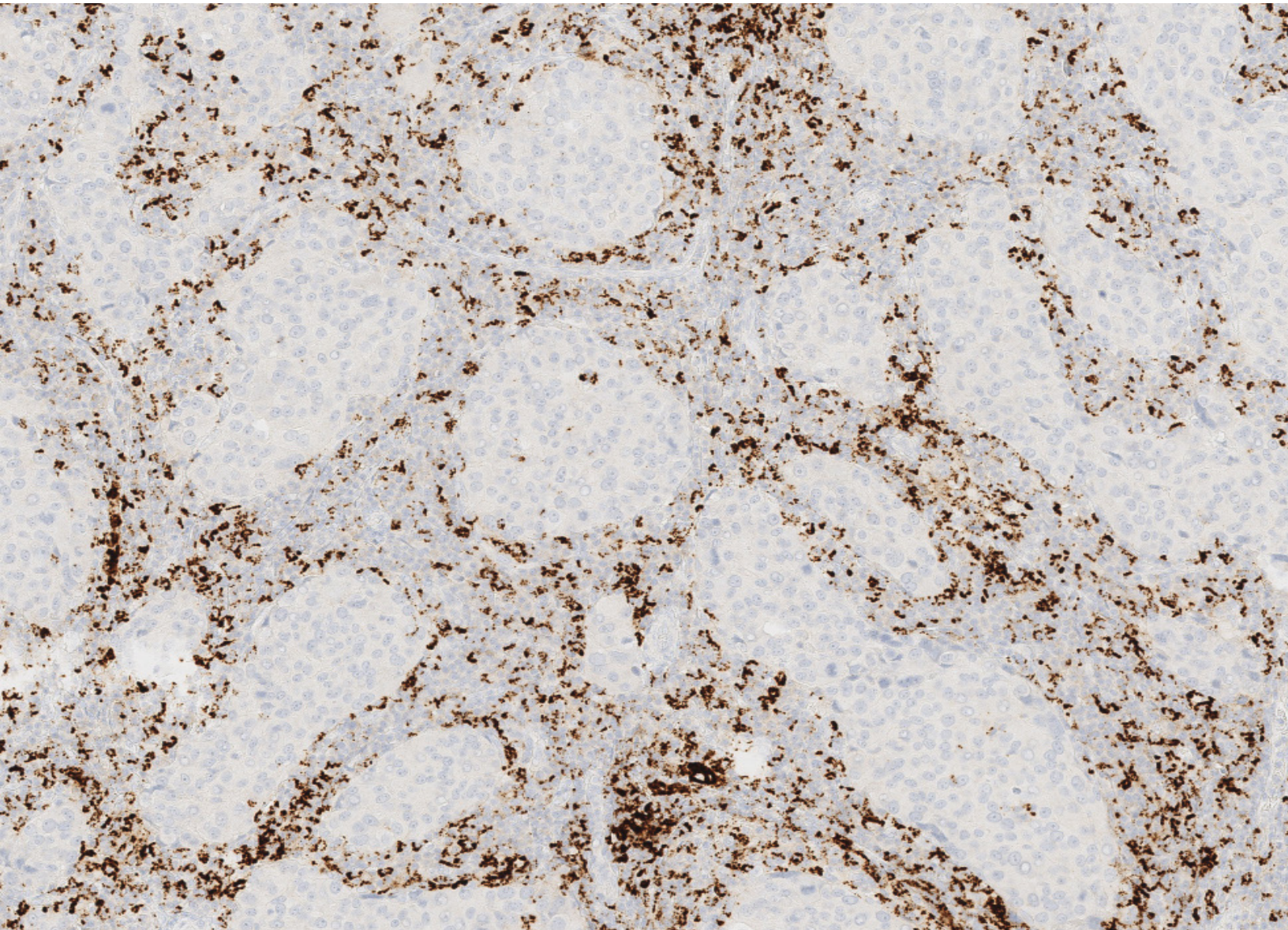
VENTANA PD-L1 (SP142) Assay

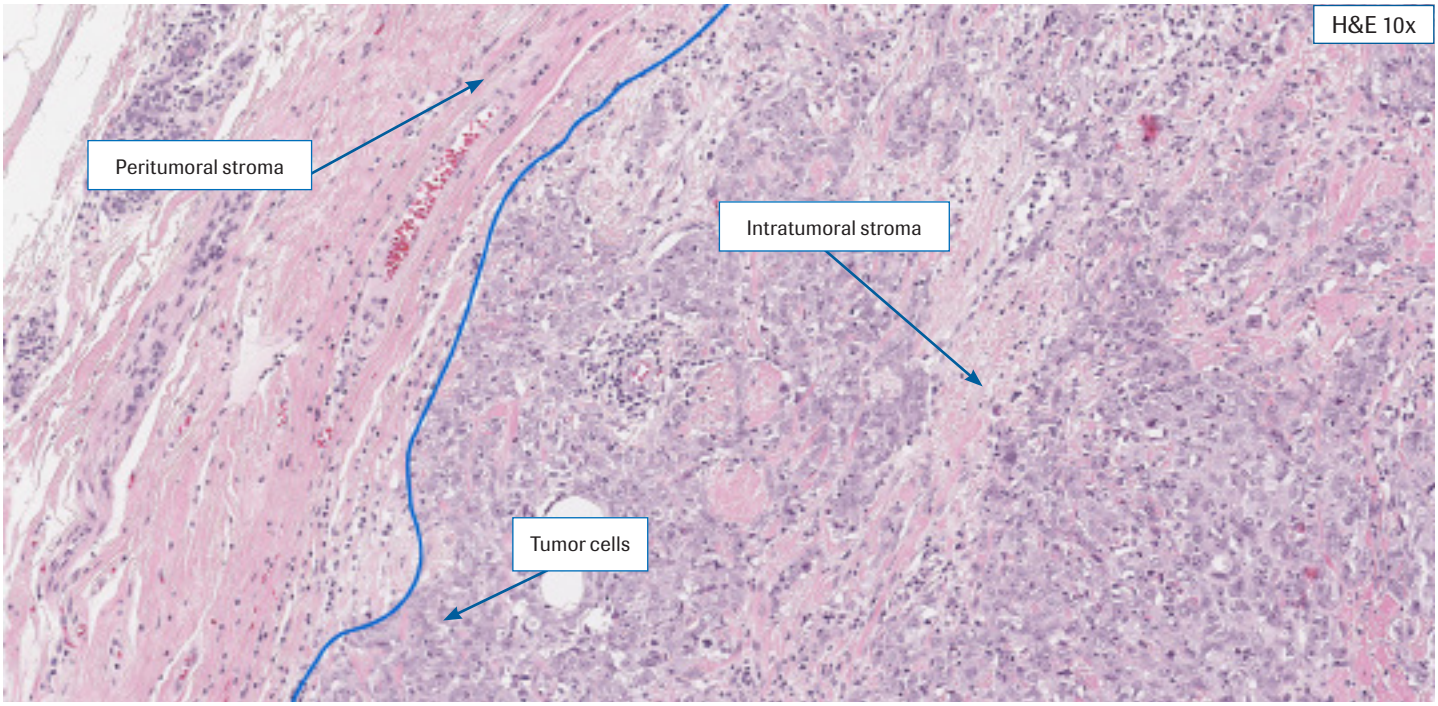
Quick Reference Guide for Triple-Negative Breast Carcinoma (TNBC)

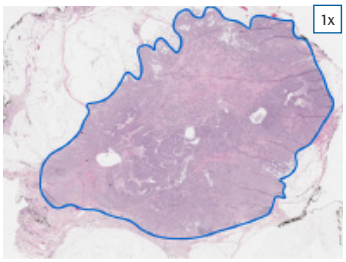


VENTANA PD-L1 (SP142) Assay Scoring Algorithm for TNBC

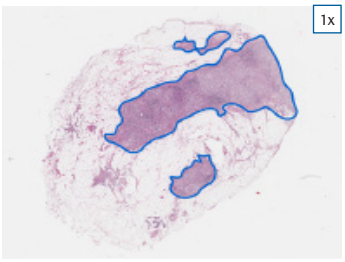
Table 1: Description of VENTANA PD-L1 (SP142) Assay Scoring Algorithm	PD-L1 Expression
Absence of any discernible PD-L1 staining OR Presence of discernible PD-L1 staining of any intensity in tumor-infiltrating immune cells covering < 1% of tumor area occupied by tumor cells, associated intratumoral, and contiguous peritumoral stroma	< 1% IC
Presence of discernible PD-L1 staining of any intensity in tumor-infiltrating immune cells covering ≥ 1% of tumor area occupied by tumor cells, associated intratumoral, and contiguous peritumoral stroma	≥ 1% IC

Tumor Area



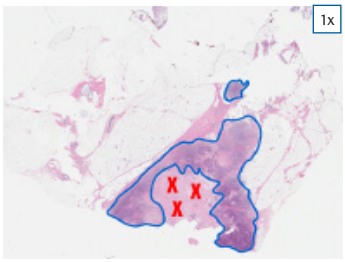


Tumor area in a resection sample



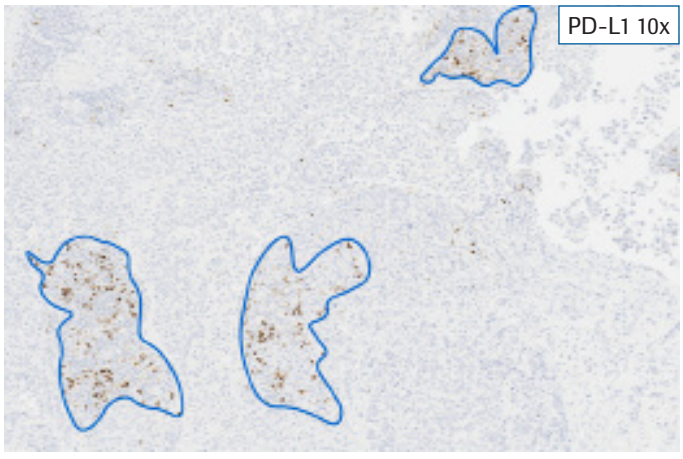
Tumor area in multiple tumor nodules

Tumor area in a biopsy sample

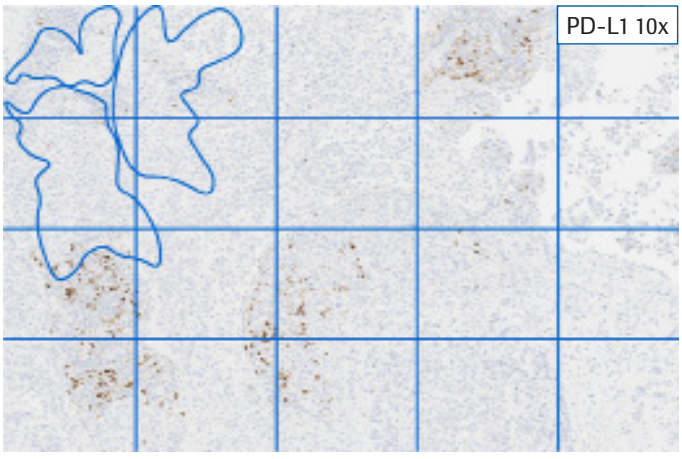


Area of necrosis excluded from tumor area

IC Scoring Method: Aggregates



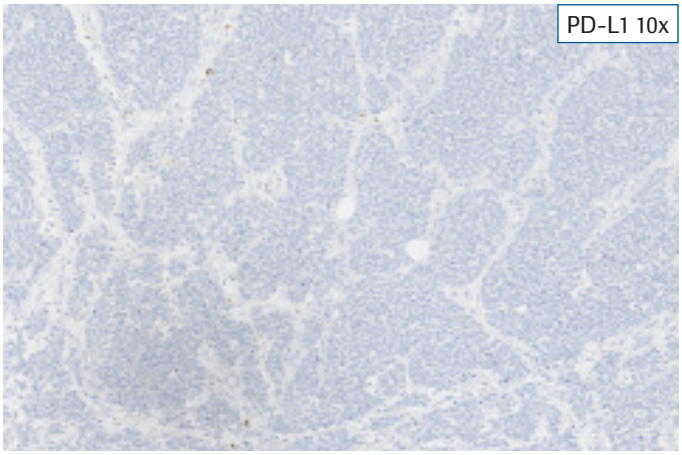
Visually encircle the IC aggregates as closely as possible



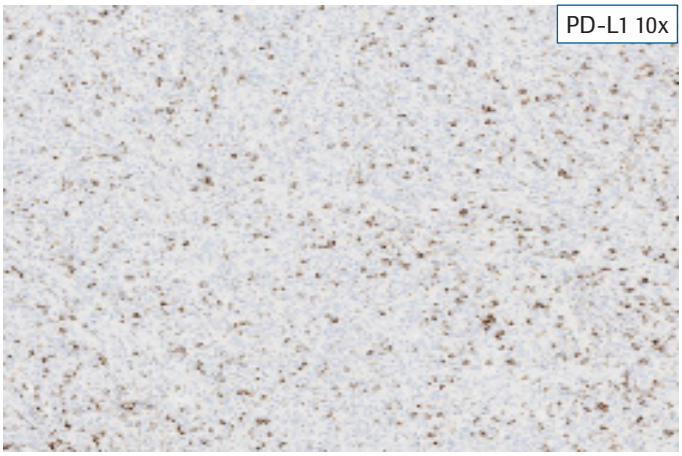
Combine these regions, and estimate their combined area in the total tumor area. IC is ≥ 1%

Scoring IC Single-Cell Spread – Use Reference Images Below

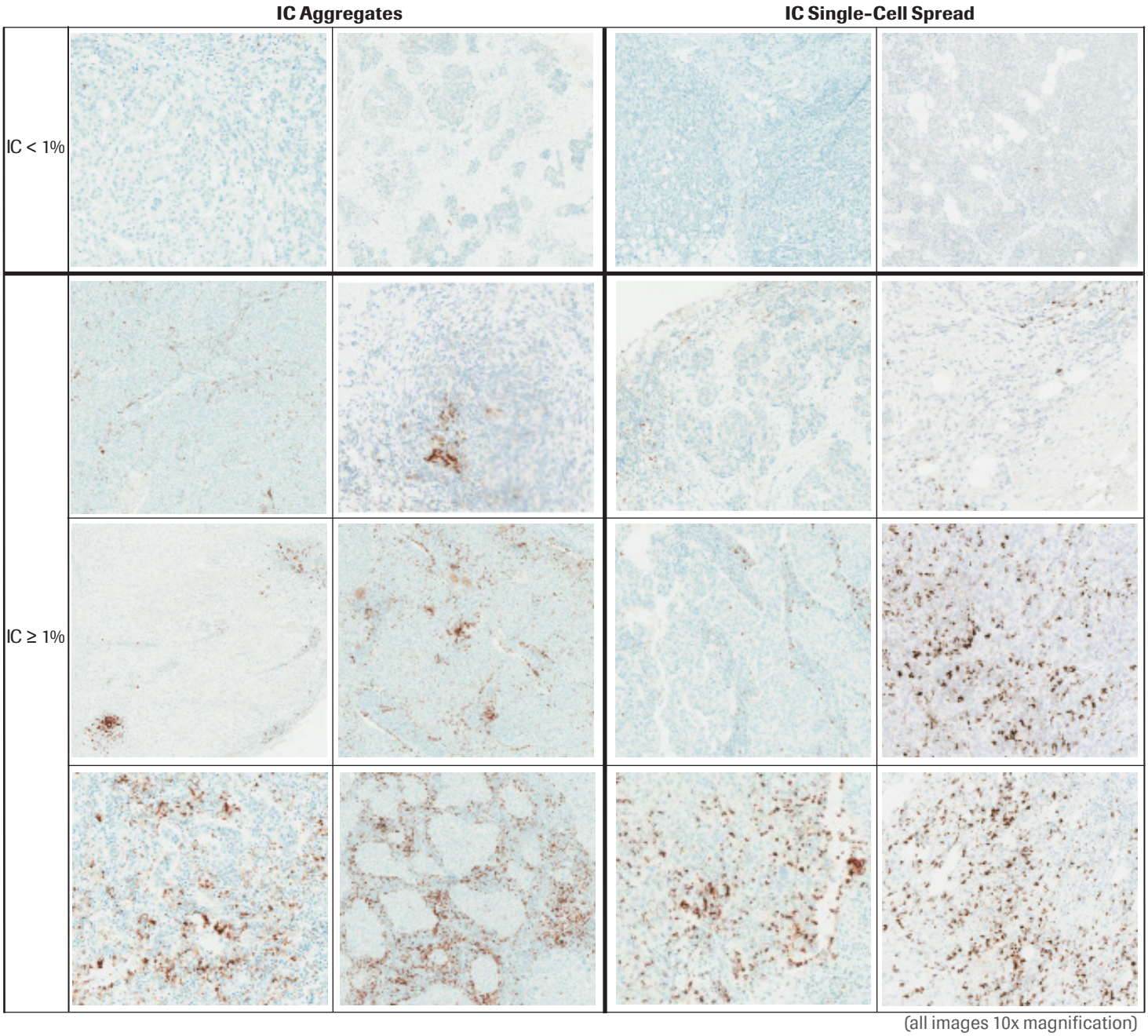
Cell density for single-cell spread IC is < 1%



Cell density for single-cell spread IC is ≥ 1%

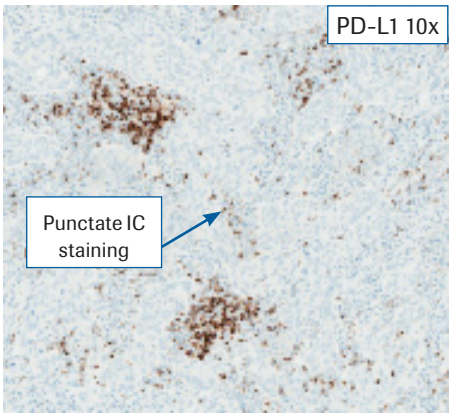


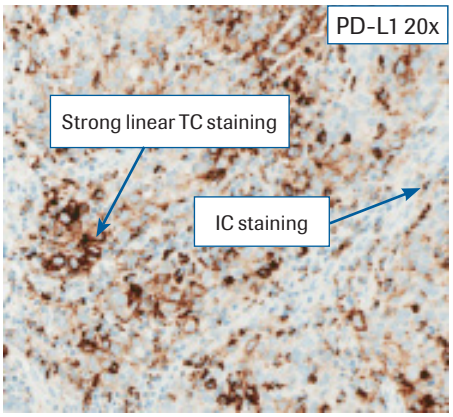
VENTANA PD-L1 (SP142) Assay Tumor-Infiltrating Immune Cell (IC) Range of Staining

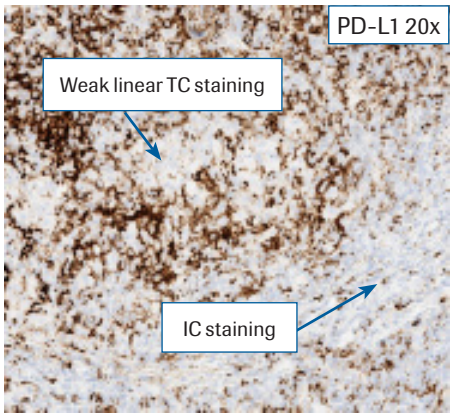


(all images 10x magnification)

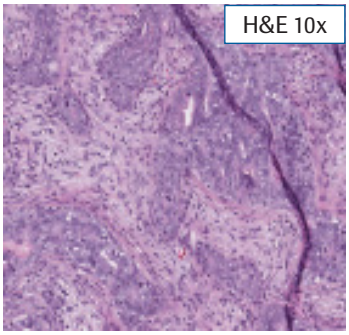
Differentiate TC Staining from IC Staining

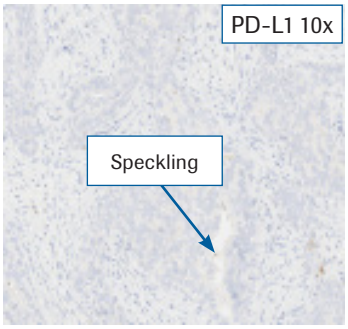




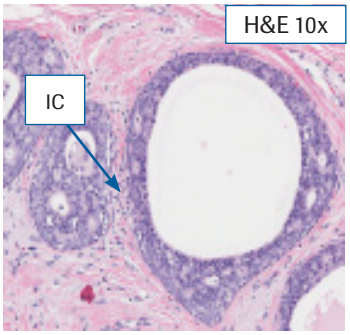


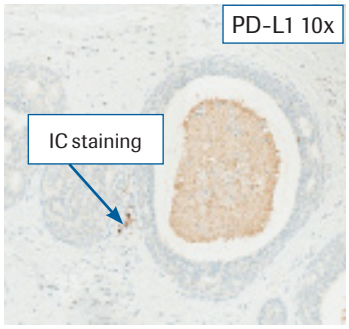
IC Scoring – Unique Scenarios



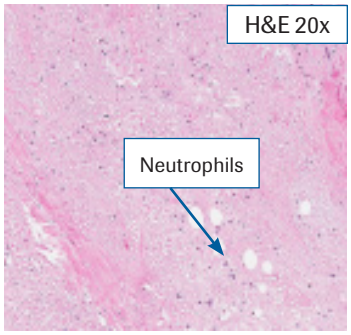


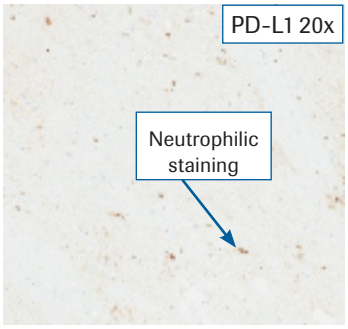
Differentiate IC from speckling, particularly observed in biopsies



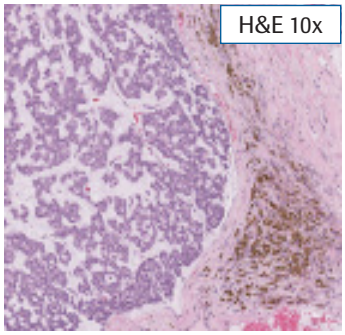


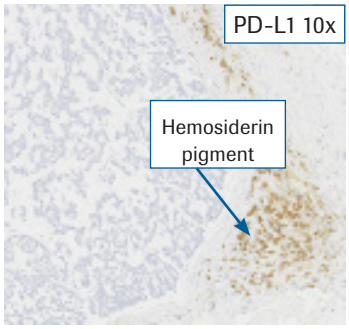
Exclude IC staining in association with DCIS without invasive component





Exclude IC staining in necrotic regions





Differentiate IC from hemosiderin pigment

Refer to the corresponding VENTANA PD-L1 (SP142) Assay package insert for manufacturer contact information.

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