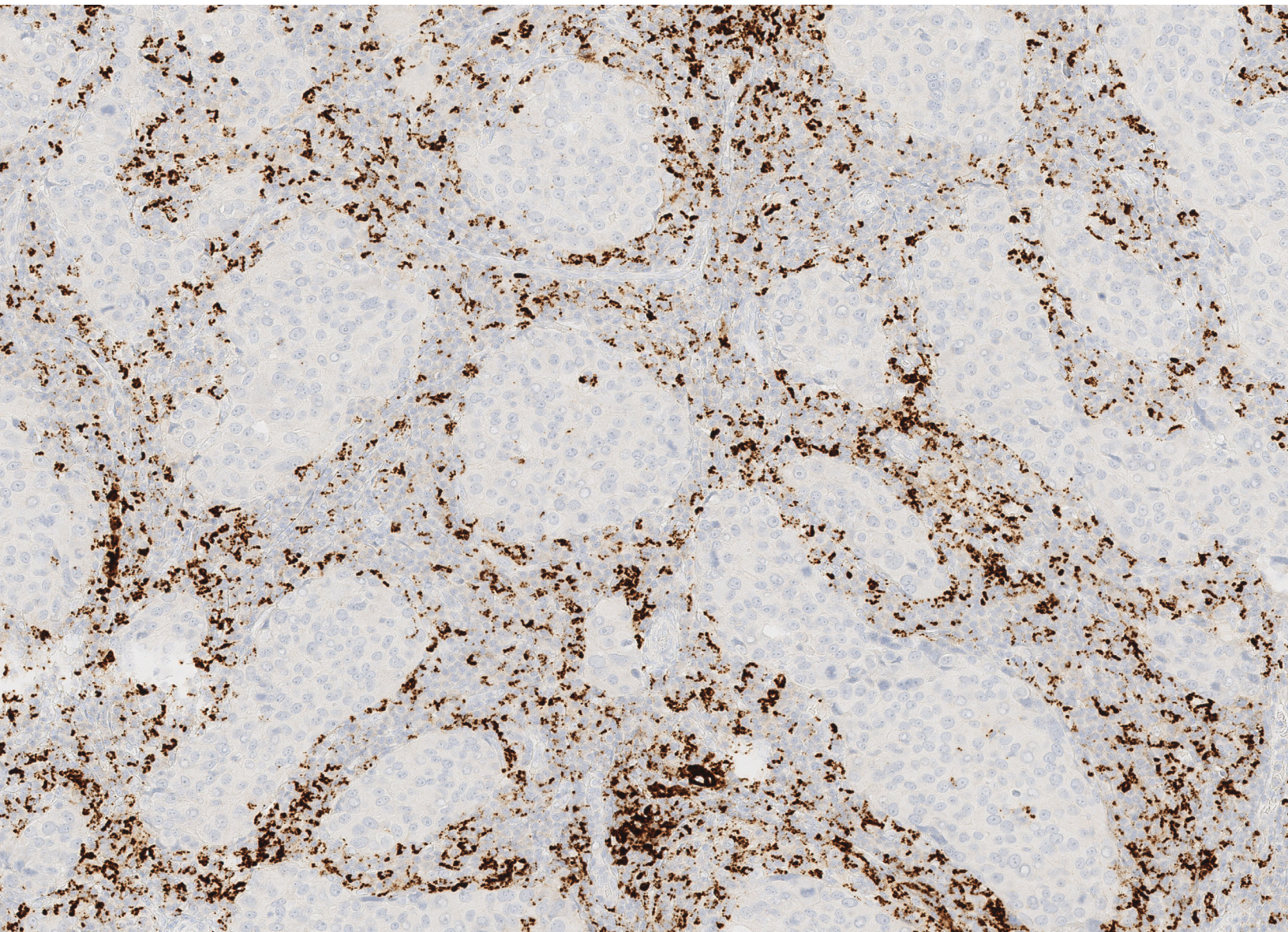


VENTANA PD-L1 (SP142) Assay

Quick Reference Guide for

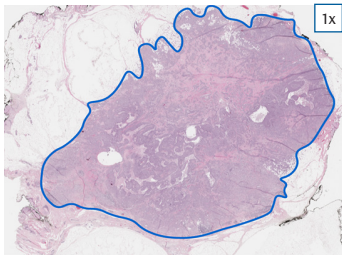
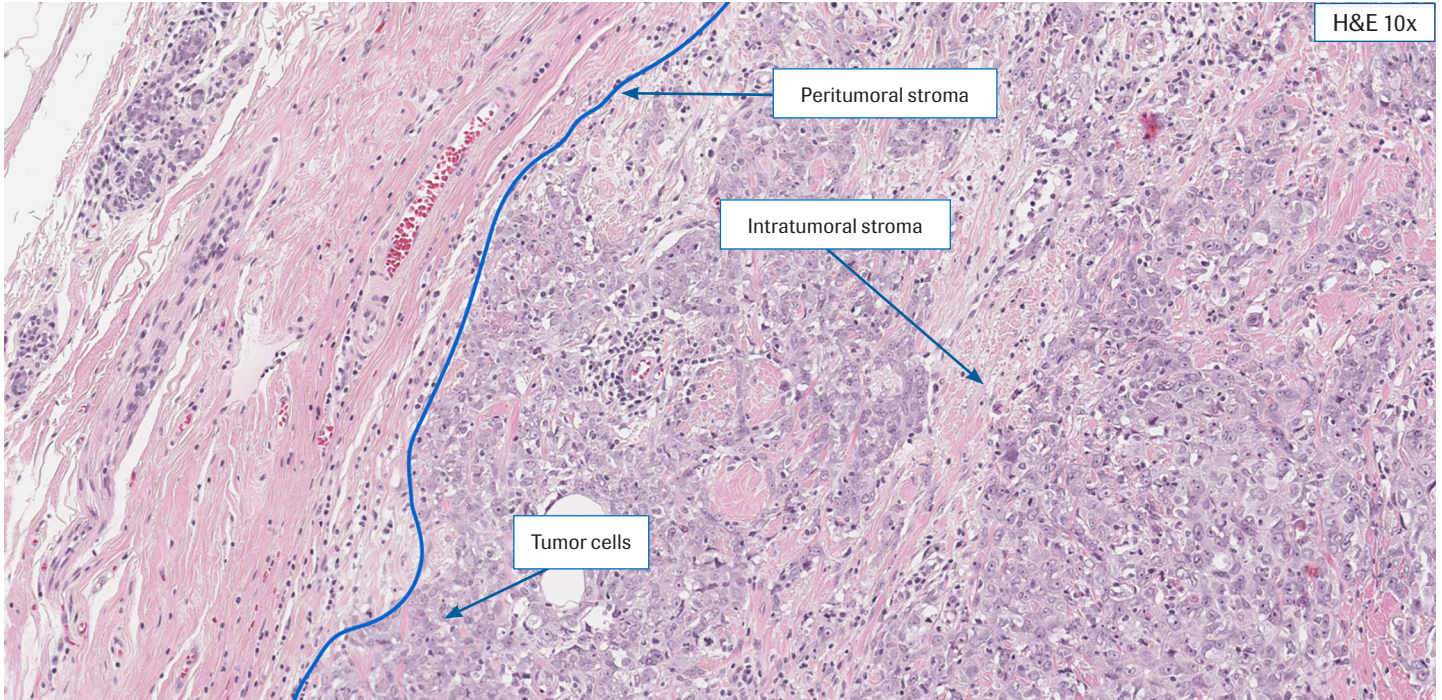
Triple-Negative Breast Carcinoma (TNBC)



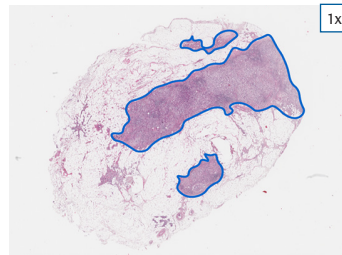
VENTANA PD-L1 (SP142) Assay Scoring Algorithm for TNBC

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

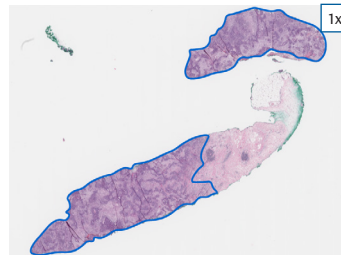
Tumor Area



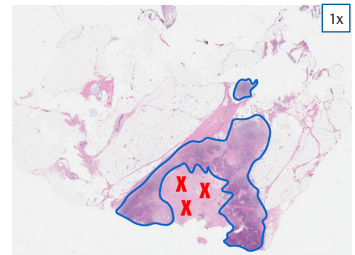
Tumor area in a resection sample



Tumor area in multiple tumor nodules

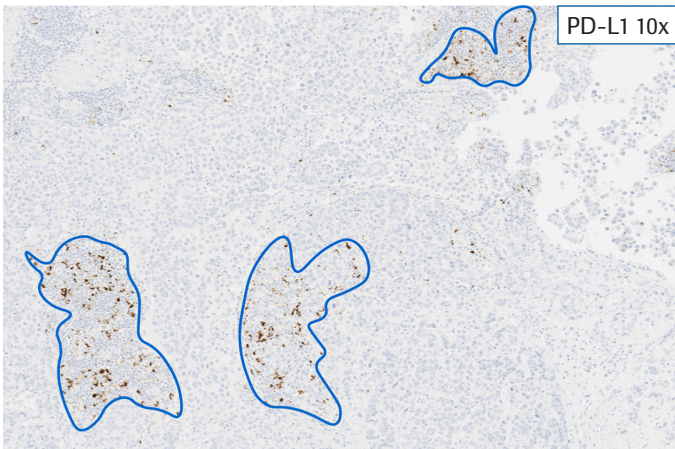


Tumor area in a biopsy sample

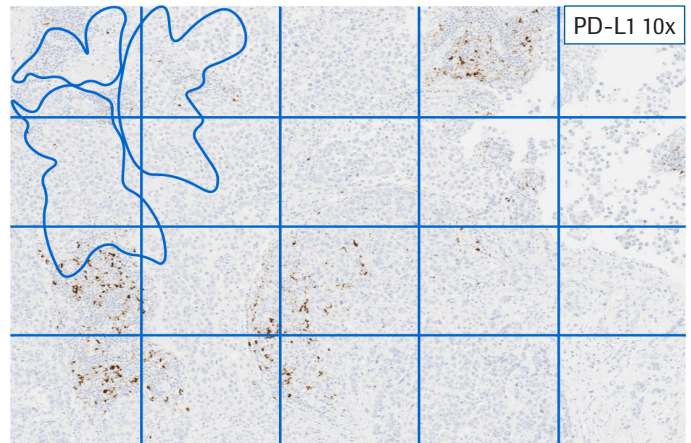


Area of necrosis excluded from tumor area

IC Scoring Method: Aggregates



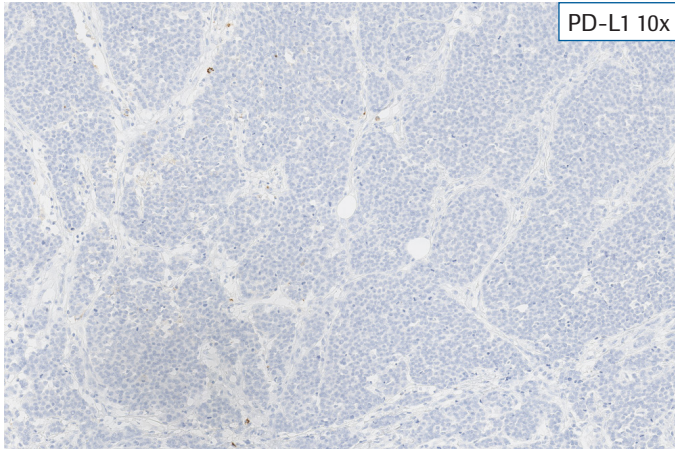
Visually encircle the IC aggregates as closely as possible



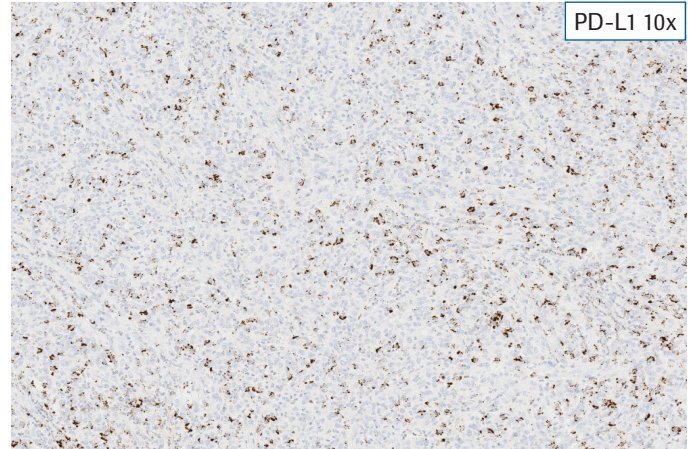
Combine these regions, and estimate their combined area in the total tumor area. IC is ≥ 1%

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 \geq 1%

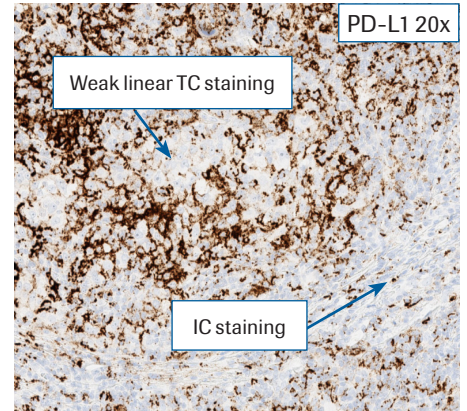
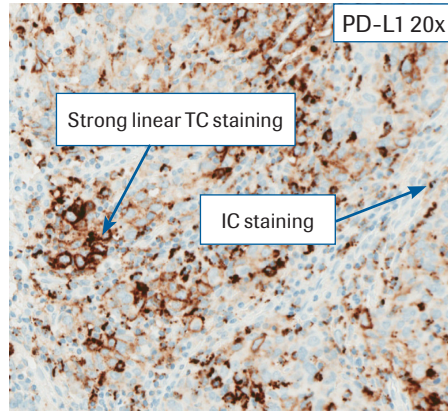
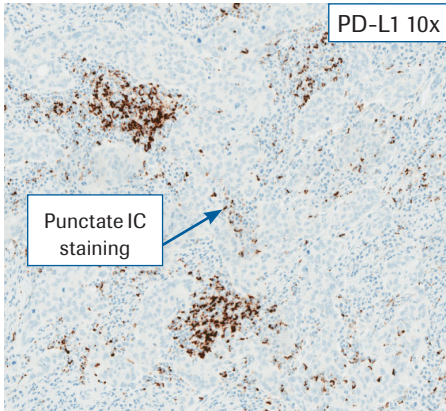


VENTANA PD-L1 (SP142) Assay Tumor-Infiltrating Immune Cell (IC) Range of Staining

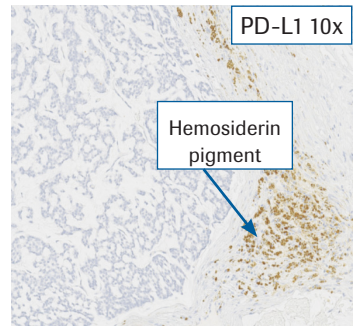
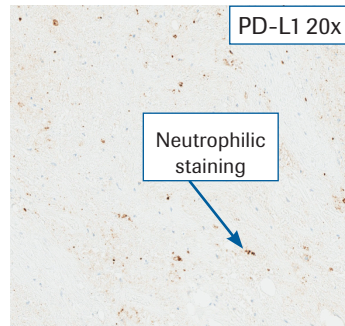
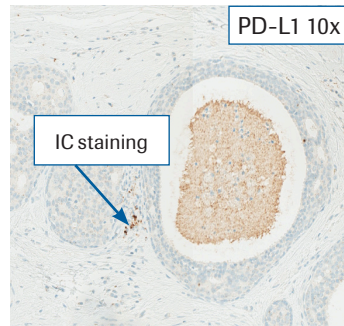
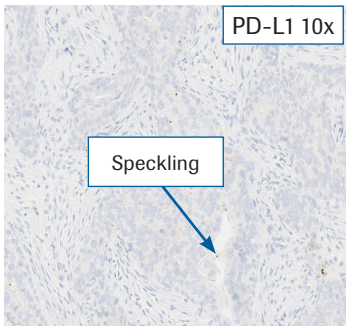
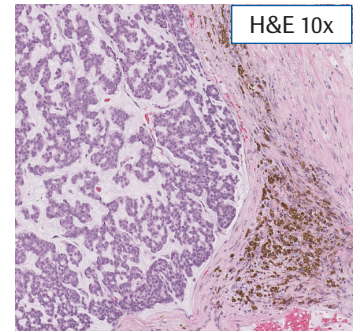
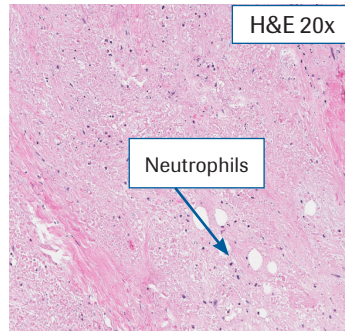
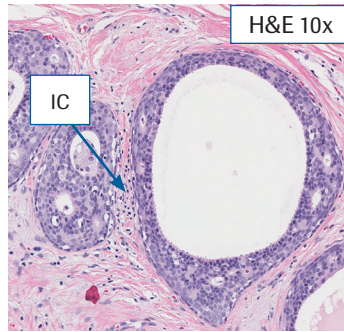
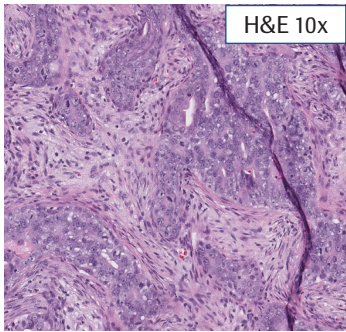
	IC Aggregates		IC Single-Cell Spread	
IC < 1%				
IC \geq 1%				

(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 hem siderin pigment



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



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