

Ordered By: Paigela

Diagnosis: NSCLC

Patient ID: AP829279D

Histologic Subtype: Adenocarcinoma

Date Received: 28Feb2022

Stain: DAKO 22-C3

Scanner Description: Aperio

### Results

Tumor Proportion Score (TPS): **3.295%**

Interpretation: **Positive**

Table 1: Scoring Interpretation for 22C3 PD-L1 staining in NSCLC

Expression Level	TPS	Staining Pattern
<b>Negative</b>	<1	Partial or complete cell membrane staining in <1% of viable tumor cells
<b>Positive</b>	≥1	Partial or complete cell membrane staining in 1-49% of viable tumor cells
<b>High Positive</b>	≥50	Partial or complete cell membrane staining in ≥50% of viable tumor cells

Abbreviations: TPS; Tumor Proportion Score, NSCLC; Non-small cell lung cancer

### Supportive TME Analysis

*Research Use Only  
Not For Use in Diagnostic Procedures*

#### TME PD-L1 Response

<b>Moderate</b>	Category	TC or IC PD-L1	PD-L1 Expression (Yes and No)		By PD-L1 Expression Levels	
		Expression	TC Only	IC Only	TC or IC High	TC or IC Moderate
TC= 3.295%	High	>50%	6%	33%	16%	21%
IC= 10.296%	Moderate	>5% - 50%	26%	35%	26%	26%
	Low	1% - 5%	35%			
	None	<1%				35%

#### Immune Cell Fraction

<b>Very Low</b>	Category	Mac + Lym Cell Fraction	Macrophage and Lymphocyte Cell Fraction	
			High	Moderate
Mac + Lymph= 0.131 %	High	>20%	10%	50%
	Moderate	>5% - <20%	30%	30%
	Low	1% - <5%	10%	10%
	Very Low	<1%		

### Lymphocyte Analysis

Compartment	% Positive	% Cellularity	H-Score
All Lymphocytes	16.97%	0.0597%	51
Tumor Lymphocytes	10.265%	0.0106%	31
Stromal Lymphocytes	17.867%	0.107%	54
Margin Lymphocytes	17.823%	0.0597%	53

### Macrophage Analysis

Compartment	% Positive	% Cellularity	H-Score
All Macrophages	6.729%	0.0852%	20
Tumor Macrophages	9.061%	0.0321%	27
Stromal Macrophages	6.099%	0.161%	18
Margin Macrophages	7.299%	0.1%	22

### PD-L1 H-Score Intensity

Compartment	H Score
Whole Tissue	14
Tumor	10
Stroma	20
Margin	16

### PD-L1 Density

Compartment	Positive/mm <sup>2</sup>
Whole Tissue	260
Tumor	228
Stroma	308
Margin	195
IC	718

### PD-L1 Scoring Paradigms

Endpoint	Score
TPS	3.295%
IC Present	13199
IC Positive	10.296%

Name and Title	Signature and Date
Roberto Gianani, MD Medical Director	

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