

Table S1. Biomarkers utilized for defining immune cell lineages in IHC analysis

Lineage	Abbreviation	Marker
CD8 ⁺ T cell	CD8	CD45 ⁺ CD3 ⁺ CD8 ⁺
Regulatory T cell	T _{REG}	CD45 ⁺ CD3 ⁺ CD8 ⁻ Foxp3 ⁺
T _H 17	T _H 17	CD45 ⁺ CD3 ⁺ CD8 ⁻ Foxp3 ⁻ RORgt ⁺
T _H 1	T _H 1	CD45 ⁺ CD3 ⁺ CD8 ⁻ Foxp3 ⁻ RORgt ⁻ Tbet ⁺
T _H 2	T _H 2	CD45 ⁺ CD3 ⁺ CD8 ⁻ Foxp3 ⁻ RORgt ⁻ GATA3 ⁺
T _H 0 & T other	T _H 0	CD45 ⁺ CD3 ⁺ CD8 ⁻ Foxp3 ⁻ RORgt ⁻ Tbet ⁻ GATA3 ⁻
B cell	B cell	CD45 ⁺ CD3 ⁻ CD56 ⁻ CD20 ⁺
Natural killer cell	NK	CD45 ⁺ CD3 ⁻ CD56 ⁺
Macrophage & monocytic cells	Macrophage /Monocytic	CD45 ⁺ CD3 ⁻ /CD20 ⁻ /CD56 ⁻ CD66b ⁻ Tryptase ⁻ CD68 ⁺
Dendritic cell	DC	CD45 ⁺ CD3 ⁻ /CD20 ⁻ /CD56 ⁻ CD66b ⁻ Tryptase ⁻ CSF1R ⁻ MHC class II ⁺ DC-SIGN ⁺ /CD83 ⁺
Neutrophil/Eosinophil	Neut/Eos	CD45 ⁺ CD3 ⁻ /CD20 ⁻ /CD56 ⁻ CD66b ⁺
Mast cell	Mast cell	CD45 ⁺ CD3 ⁻ /CD20 ⁻ /CD56 ⁻ CD66b ⁻ Tryptase ⁺