

IF Antibodies**Mouse**

| Antibody | Lab | Catalog # | Fluorophore | Lab | Catalog # |
|---------------------------------|----------------|------------------|--------------------|------------|--------------------------|
| DAPI | Invitrogen | P36931 | | Akoya | FP1490 |
| αSMA | Cell Signaling | 19245S | 780 | Akoya | FP1500001KT |
| CD11c | Cell Signaling | 39475S | 480 | Akoya | FP1500001KT |
| CD163 | Cell Signaling | 97585S | 520 | Akoya | FP1487001KT |
| CD27 | Abcam | ab131254 | 520 | Akoya | FP1487001KT |
| CD3 | Cell Signaling | 85061S | 690 | Akoya | FP1497001KT |
| CD31 | Cell Signaling | 3528S | 520 | Akoya | FP1487001KT |
| CD4 | Abcam | ab183685 | 690, 520 | Akoya | FP1497001KT, FP1487001KT |
| CD8 | Cell Signaling | 98941S | 520 | Akoya | FP1487001KT |
| CD86 | Cell Signaling | 19589S | 480, 520 | Akoya | FP1500001KT, FP1487001KT |
| CD8α | Bethyl | A700-044 | 690 | Akoya | FP1497001KT |
| FoxP3 | Cell Signaling | 12653S | 780 | Akoya | FP1500001KT |
| Ki-67 | Abcam | ab16667 | 570 | Akoya | FP1488001KT |
| Laminin | Abcam | ab11575 | 480 | Akoya | FP1500001KT |
| Pan-CK | Roche | 760-2595 | 570 | Akoya | FP1488001KT |
| Pdgfr-β | Cell Signaling | 3169S | 570 | Akoya | FP1488001KT |
| pSTAT3 (Tyr705) | Cell Signaling | 9145 | 620 | Akoya | FP1495001KT |
| PTEN | Cell Signaling | 9559S | 480 | Akoya | FP1500001KT |
| Tissue Factor | Abcam | ab228968 | 620 | Akoya | FP1495001KT |
| Vimentin | Cell Signaling | 5741S | 620 | Akoya | FP1495001KT |

IF Antibodies**Human**

| Antibody | Lab | Catalog # | Fluorophore | Lab | Catalog # |
|-------------------|----------------|------------------|--------------------|------------|--------------------------|
| DAPI | Invitrogen | P36931 | | Akoya | FP1490 |
| CD163 | Roche | 760-4437 | 620 | Akoya | FP1495001KT |
| CD20 | Bethyl | A500-017A | 570 | Akoya | FP1488001KT |
| CD25 | Bethyl | BLR158J | 520 | Akoya | FP1487001KT |
| CD27 | Abcam | ab131254 | 520 | Akoya | FP1487001KT |
| CD3 | Bethyl | A700-016 | 620, 540 | Akoya | FP1495001KT, FP1494001KT |
| CD3E | Bethyl | A700-016 | 480 | Akoya | FP1500001KT |
| CD4 | Roche | 790-4423 | 690 | Akoya | FP1497001KT |
| CD45RO | Bethyl | UCLH-1 | 520 | Akoya | FP1487001KT |
| CD56 | Roche | 760-4596 | 480 | Akoya | FP1500001KT |
| CD68 | Roche | 790-2931 | 690 | Akoya | FP1497001KT |
| CD8 | Roche | 790-4460 | 620, 570 | Akoya | FP1495001KT, FP1488001KT |
| FoxP3 | Abcam | ab20034 | 780 | Akoya | FP1500001KT |
| Granzyme B | Bethyl | A700-016 | 520 | Akoya | FP1487001KT |
| Ki-67 | Bethyl | 9027 | 620 | Akoya | FP1495001KT |
| Lag3 | Bethyl | A700-027 | 520 | Akoya | FP1487001KT |
| Pan-CK | Bethyl | A500-019A | 570 | Akoya | FP1488001KT |
| PD-1 | Bethyl | A700-076 | 780 | Akoya | FP1501001KT |
| PD-L1 | Bethyl | A700-020 | 690 | Akoya | FP1487001KT |
| Sox10 | Bethyl | A700-080 | 780 | Akoya | FP1500001KT |
| T-bet | Cell Signaling | 13232S | 520 | Akoya | FP1487001KT |

Tumor-infiltrating T-cell Panel

| Markers | Fuction |
|----------------------|--|
| Pan-Cytokeratin (CK) | Carcinoma (tumor) |
| CD8+Granzyme B+ | Activated cytotoxic T-cell |
| CD8+Granzyme B- | Inactive cytotoxic T-cell |
| CD4+CD27-FoxP3- | Activated helper T-cells |
| CD4+FoxP3+ | Regulatory T-cell (inactive helper T-cells) |
| CD8+CRCR+ | Memory (stem cell-like and central memory) cytotoxic T-cells |
| CD4+CRCR+ | Memory (stem cell-like and central memory) helper T-cells |