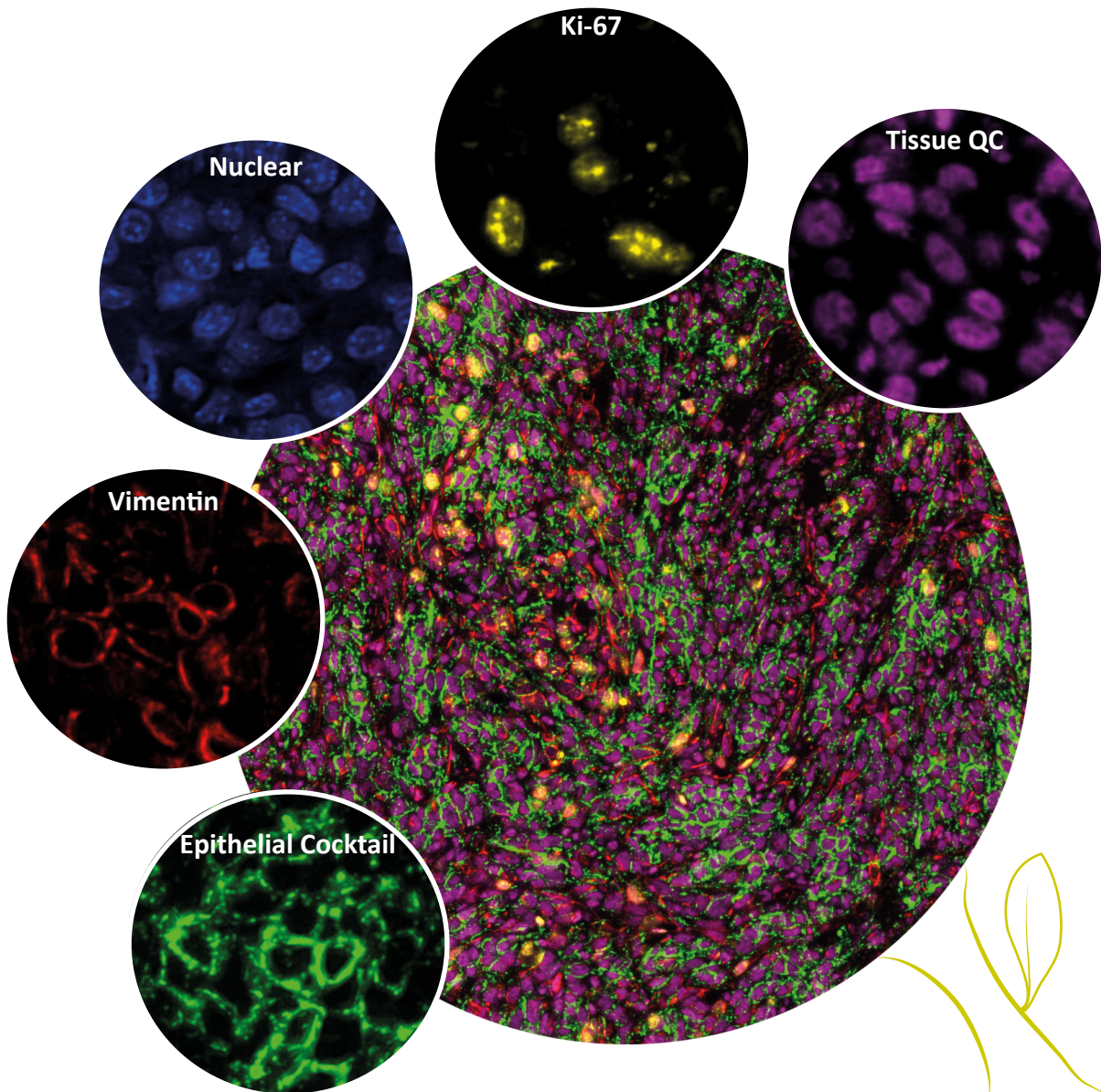




Tumor Phenotype and Activity



This 4-plex antibody panel allows us to state the phenotype and activity of a mouse or human tumor as means to evaluate the effect of a drug in treatment studies. In this panel, antibodies identify the tumor's epithelial or mesenchymal-like phenotype. In pan-cytokeratin or vimentin positive tumor cells, the nuclear Ki-67 staining "transcriptional activity marker" show their activation and proliferation. Hoescht 33342 nuclear staining also provides information about the viability of the tumor cells. One of two serial sections can be stained with this panel and the results combined with an adjacent immune marker panel revealing the physical/anatomical relation between the tumor cell mass and invading immune cells.