

# U-VUE Biomarkers

The U-VUE Biomarker menu consists of pre-optimized markers, ready to be built into multiplex panels. Assess cell phenotypes and marker expression, find tumor and stromal regions, and understand spatial relationships across the whole slide. Select the markers you need from the list, up to 8-plex, and create a custom solution to fit your specific analysis needs.

Not sure how to get the most out of your tissues? Our in-house team of experts can assist across the entire spectrum of your development and partner with you to find the custom solution to answer your biological question.

Develop customized biomarker panels to get the spatial insights that matter to you.

**Checkpoints**

- CD27
- CD28
- CD40
- CD70
- CD73
- CD80
- CD96
- CD155
- CTLA4
- IDO1
- LAG3
- PD1
- PD-L1
- TIGIT

**Exhaustion**

- CD8
- CD39
- CD68
- CTLA4
- LAG3
- PD1
- TIGIT

**<sup>1</sup>TAMs**

- ARG1
- CD11c
- CD163
- CD206
- CD68
- CD86
- HLA-DR
- iNOS

**Myeloid**

- ARG1
- CD11b
- CD14
- CD15
- CD16
- CD68
- CD163
- HLA-DR

**Functional**

- CK\* (various)
- Desmin\*
- GrzB
- Ki67
- SOX10\*
- TCF1/TCF7

**Dendritic**

- CD3
- CD4
- CD11c
- CD20
- CD56
- CD68
- CD138
- CLEC9a
- CLEC10a
- MHC II

**Stromal**

- Alpha-SMA
- CD31
- CD299

**<sup>2</sup>TLS**

- CD3
- CD4
- CD20
- CD56
- CD68
- CD138

**Cell Signaling**

- BCL-2
- BCL-xl
- Beta-Catenin
- BIM
- Ki67
- MCL-1

**T cell Regulation**

- CD3
- CD4
- CD8
- CD27
- CD38
- CD45RO
- CD70
- FOXP3
- GrzB
- LAG3
- PD1
- PD-L1

**<sup>3</sup>TILs**

- CD3
- CD4
- CD8
- CD20
- CD38
- CD45RO
- CD56
- CD68
- CD335

**B cells**

- BCMA
- CD19
- CD20
- CD22
- CD27
- CD38
- CD138
- PAX5
- MHC II

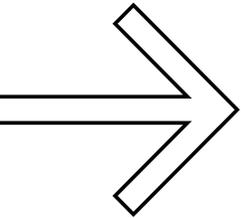
<sup>1</sup>TAMs: Tumor Associated Macrophages

<sup>2</sup>TLS: Tertiary Lymphoid Structure

<sup>3</sup>TILs: Tumor Infiltrating Lymphocytes

\*Tumor markers

If you don't see your marker of interest please contact us at [ultivue.com](http://ultivue.com) and we can help design your custom assay

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# Profiling Cancer Biology

## Talk to us

With every solution that we offer, Ultivue is setting the new standard for mIF solutions. Get in touch with our team of experts to order your FlexVUE panels and find out how we can help you reduce assay development time, assess cell phenotypes and understand spatial relationships across the whole slide.

 [Ultivue.com](https://www.ultivue.com)

 1 (877) ULT-IVUE