



Biomarker Menu and Panels

Characterize immune biology using pre-optimized mIF panels and markers for whole slide analysis. Get unprecedented signal to noise, same slide H&E staining, fast turnaround time, and access to our team of assay development specialists to guide you.

ultivue.com

Off-the-Shelf Biomarkers

Pre-optimized Biomarkers

For your convenience, we offer a selection of 22 off-the-shelf biomarkers that have been pre-optimized and are ready to use. With our panel creation service, you can easily select up to 12 biomarkers from the list below to create a customized panel.

CD3

CD56

CD45RO

CD4

CD68

CD163

CD8

CK

CD206

CD11b

Ki67

FoxP3

CD11c

PD-1

HLA-DR*

CD14

PD-L1

MHC II

CD15

Sox10

GranzymeB

CD20

*HLA-DP+DR+DQ

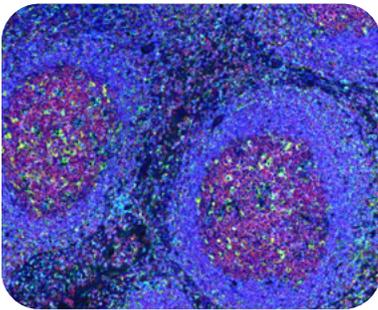
Place your order at ultivue.com



Off-the-Shelf Biomarkers

4-Plex FixVUE® Panels

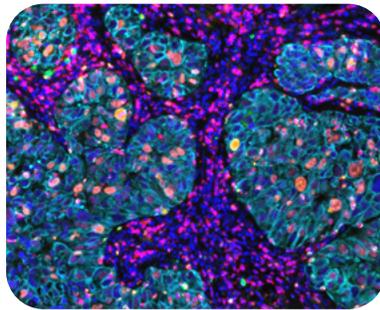
Choose from our pre-designed panels to identify specific cells in the tissue microenvironment. Get started quickly and assess the most interesting differences between tissue samples.



FixVUE® APC panel

Identify and differentiate professional antigen-presenting cells

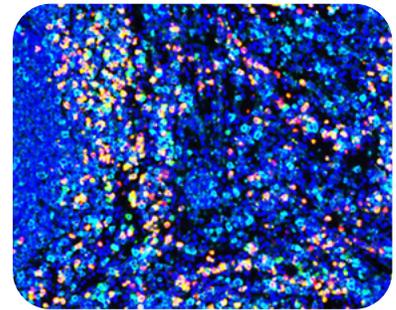
CD11c, CD20, CD68/163, MHC-II



FixVUE® T-act panel

Determine cell proliferation and T-cell activation

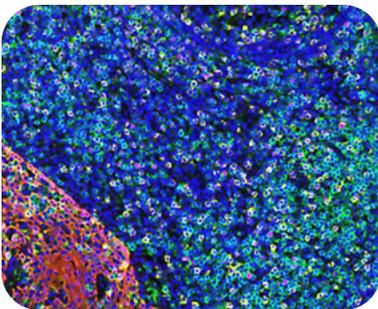
CD3, GzmB, Ki67, CK/SOX10



FixVUE® MDSC panel

Identify myeloid-derived causes of immune cell suppression

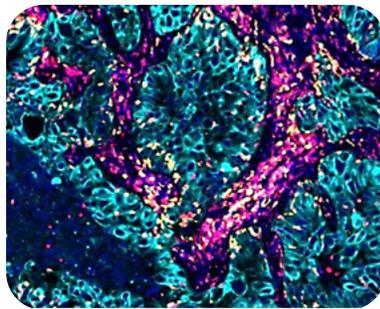
CD11b, CD14, CD15, HLA-DR



FixVUE® T-reg panel

Profile T-cell regulation status in the tumor microenvironment

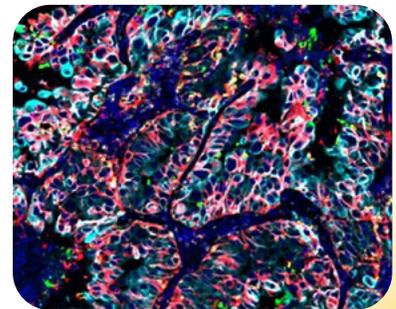
CD4, CD8, FOXP3, CK/SOX10



FixVUE® PD-1 panel

Determine cell proliferation and T-cell activation

CD3, CD45RO, PD-1, CK/SOX10



FixVUE® PD-L1 panel

Study tumor evasion and immune infiltration within the tumor microenvironment

CD8, CD68, CD15, PD-L1, CK/SOX10

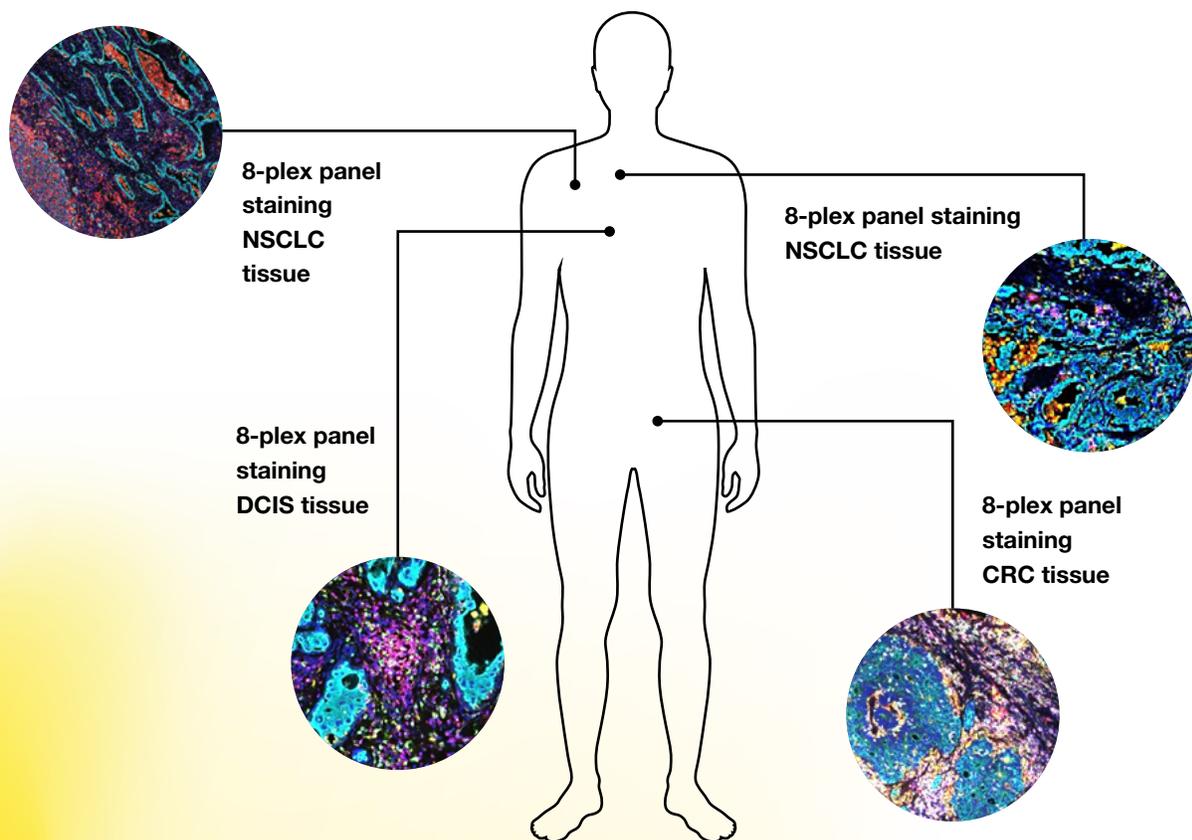
Place your order at ultivue.com

Off-the-Shelf Biomarkers

8-Plex FixVUE® Panels



If you're searching for a comprehensive view of the immune landscape, Immuno8 and ImmunoPro8 FixVUE® immuno oncology panels are the answer. With the use of 8 markers in one experiment, you can gain better insights into the tumor microenvironment.



Immuno8 FixVUE® panel composition

CD3

CD4

CD8

CD68

FoxP3

PD-1

PD-L1

ImmunoPro 8 FixVUE® panel composition

CD3

Ki67

CD8

CD68

FoxP3

PD-1

PD-L1

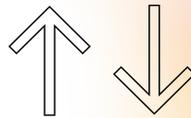
Off-the-Shelf Biomarkers FlexVUE® Panels



Quickly customize your immune profiling assay to discover the biology most relevant to your research questions. Starting with the Immuno8 FixVUE® panel backbone, switch out up to 2 markers to create the 8-plex panel that identifies the immune cell subsets you need to find.



Immuno8 FixVUE® panel



13 optimized markers



Flexibility built for immune biology

Uncover the biology in your tissues with customized immune profiling assays. FlexVUE® lets you investigate the tumor biology in your samples in ways that work for you. In just three steps, get the custom panel you need:

1. Start panel configuration at ultivue.com.
2. Choose FlexVUE® and exchange any 1 or 2 markers from the menu of pre-optimized markers.
3. Place your order.

Custom Biomarkers

The Ultivue biomarker menu allows you to assess cell phenotypes and marker expression, find tumor and stromal regions and understand spatial relationships across the whole slide.

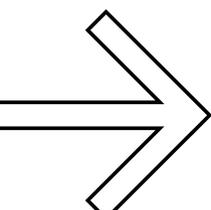
Not sure how to get the most out of your tissues? Our in-house team of experts can assist across the entire spectrum of your development and partner with you to find the custom solution to answer your biological question.

If you have your own marker of choice, we can create a custom panel

Checkpoints	CD27	¹TAMs	Arg1	Functional	CK* (various)	B cells	BCMA	²TLS	CD3	³TILs	CD3
	CD28		CD11c		Desmin*		CD19		CD4		CD4
	CD40		CD163		GrzB		CD20		CD20		CD8
	CD70		CD206		Ki67		CD22		CD56		CD20
	CD73		CD68		Sox10*		CD27	CD68	CD38		
	CD80		CD86	TCF1/TCF7	CD38	CD138	CD45RO				
	CD96		HLA-DR		CD138		CD56				
	CD155	INOS		Pax5		CD68					
	CTLA4		Cell Signaling	Bcl-2	MHC II		CD335				
	IDO1			Bcl-xl		T cell Regulation	CD3				
	LAG3	Myeloid		Beta-Catenin			CD4	CD8			
	PD-1			Arg1	Bim		CD3	CD27	CD8		
	PD-L1			CD11b	Ki67		CD4	CD38	CD39		
	TIGIT		CD14	MCL-1	CD11c		CD45RO	CD68			
			CD15		CD20	CD70	CTLA4				
		CD16	Stromal	Alpha-SMA	CD56	FoxP3	LAG3				
	CD68	CD31		CD68	GrzB	PD-1					
	CD163	CD299		CD138	LAG3	TIGIT					
	HLA-DR		Clec9a	PD-1							
			Clec10a	PD-L1							
			MHC II								

The markers listed above are only a sample of the markers available. Contact us if your biomarker of interest is not listed.

¹TAMs: Tumor Associated Macrophages ²TLS: Tertiary Lymphoid Structure ³TILs: Tumor Infiltrating Lymphocytes
*Tumor markers

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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