


Epiontis ID Validated Panels

Immunophenotyping by qPCR





At Precision, we offer technology solutions that meet the stringent demands of global clinical studies. The Epiontis ID portfolio offers immunophenotyping assays that allow the precise monitoring of immune cell types while requiring minimal sample amounts. A wide range of sample types performs well with Epiontis ID: frozen whole blood with any coagulant, including Paxgene RNA/DNA tubes, as well as tissue samples.

Epiontis ID assays are fully validated and performed in an automated measurement platform under ISO 17025 accreditation. A continuously growing portfolio of assays includes monitoring options for T cells, B cells, NK cells, monocytes, and all types of granulocytes, each of which can be customized as needed. Review Precision's Validated Epiontis ID Assays for your upcoming clinical trials.

Validated, off-the-shelf use

Currently, there are over 30 validated assays available for Epiontis ID. Study sponsors can select and combine any of the variable cell types in a panel for analysis.

T Lymphocytes	Other Immune Cells	Exhaustion / Activation / Migration Markers	Other Cell Types (Fibrcytes)
CD3 T cells	B cells	PD1+ cells	Col1A1+ cells
CD4 T cells	NK cells	TIGIT+ cells	PDGFRB+ cells
CD8 T cells	Neutrophils	CTLA4+ cells	
Regulatory T cells	Eosinophils	LAG3+ cells	
Th17 cells	Basophils	CXCR3+ cells	
TFH cells	Monocytes	Granulysin+ cells	
Gamma Delta ($\gamma\delta$) T cells	NC Monocytes	CCR7+ cells	
GATA3 positive cells	Monocytic MDSC	IL6R+ cells	
CD4 memory T cells	Plasmacytoid DC	CCR6+ cells	
CD8 naive T cells	Naive B cells	CRTH2+ cells	
	Memory B cells	S1PR1+ cells	
	IgM positive B cells	S1PR5+ cells	
		Integrin alpha 4+ cells	

For ease of navigation, we've color-coded markers in each panel to correspond to the cell type measured to quickly evaluate whether a validated panel contains a desired cell type marker.

T Cell	B Cell Type	Degranulation
T Memory	Granulocyte	Activation/Exhaustion
T Regulatory	Myeloid/DC	
Monocyte/NK	Immune Checkpoint	

Example Panels

Panel Description	Sample Matrix	Markers	Panels can be combined and customized without additional validation													
T/B	Whole Blood, Paxgene, PBMC, Tissue	4	CD3	CD4	CD8	B										
T/B/NK/Degranulation	Whole Blood, Paxgene, PBMC, Tissue	6	CD3	CD4	CD8	B	NK	GNLY								
T/B/NK/Monocyte/Granulocyte	Whole Blood, Paxgene	9	CD3	CD4	CD8	B	NK	Monoc	Neutro	Eosino	Baso					
T/T-Memory	Whole Blood, Paxgene, PBMC	5	CD3	CD4	CD8	mem CD4	naive CD8									
T/T-Memory/B Cell Differentiation	Whole Blood, Paxgene, PBMC, Tissue	7	CD3	CD4	CD8	B	naive B	mem B	IgM B							
T/T Cell Subsets	Whole Blood, Paxgene, PBMC, Tissue	6	CD3	CD4	CD8	Treg	Th17	Tfh	γδ-T cells							
T/T Cell Subsets/NK/Activation/Exhaustion	Whole Blood, Paxgene, PBMC, Tissue	12	CD3	CD4	CD8	Treg	Th17	Tfh	NK	CXCR3	LAG3	TIGIT	CTLA4	PD1		
T/NK/MDSC/pDC	Whole Blood, Paxgene, PBMC	6	CD3	CD4	CD8	NK	MDSC	pDC								
Additional Markers	Marker Dependent	Add on	GATA3	CCR6	CCR7	CRTH2	S1PR1	S1PR5	Inta4	IL6R	PDGFRb	Col1A1				

Additional Information

1. qPCR Immunophenotyping determines the number of all cell types independently in two readout formats:

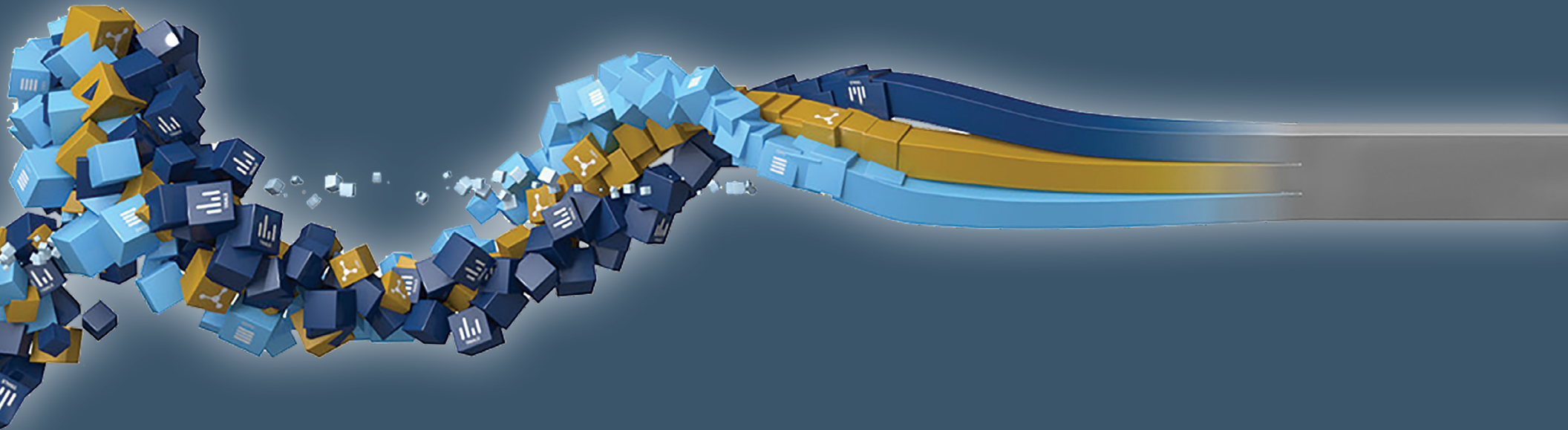
- Percent of total cells
- Cells per microliter blood

2. To align with flow cytometry data, Epiontis ID results are calculated as ratios. For example, Treg cells within the parental CD4 T cell gate:

$$\frac{\text{Treg cells in sample}}{\text{CD4 T cells in sample}} = \% \text{ Treg cells within the CD4 T cell compartment}$$

Precision Convergence: the Combined Power of Trials, Labs, and Data Sciences to Drive Faster Clinical Development

What sets us apart is the way we integrate clinical trial execution with deep scientific knowledge, laboratory expertise, and advanced data sciences. This is Precision Convergence: maximizing insights into patient biology and accelerating the pace of scientific discovery and approval.



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