

1. PMBC

2. Isolate

3. Stimulate

4. Analyze

h/m Erythrocyte
Lysing Kit

T Cell
Enrichment Column

h/m T-Activator CD3/CD28
Cytokines

Abs for FACS, ICC, WB...
Quantikine ELISA

T Cells

Cell	PBMC	Isolate	Stimulate	Analyze
T helper cell (CD4+)	h/m Erythrocyte Lysing Kit (#WL1000/ WL2000)	h/m T Cell Enrichment Column (#HTCC/ HCD4C/ MTCC/ MCD4C)	Dynabeads h/m T-Activator CD3/CD28 (#11131D/ 11132D/ 11452D/ 11453D)	h/m IL-12, IL-18, IL-27, IFN- γ h/m Th1 Cell 4-ColorFlow Cytometry Kit (#FMC009/FMC010) Cell Surface - h/m CCR1, CCR5, CXCR3, IFN- γ R, IL-12Rb2, IL-18Ra, TCCR/WSX-1 Transcription Factors - h/m STAT1, STAT4, T-bet/TBX21 Secretes - h/m IFN- γ , IL-2, -10, TNF-a, b, GM-CSF
				h/m IL-4, IL-25, IL-33, TSLP h/m Th2 Cell 4-ColorFlow Cytometry Kit (#FMC011/FMC012) Cell Surface - h/m CCR3, CCR4, CCR8, CXCR4, IFN- γ R, IL-4Ra, IL-17BR/IL-17RB, ST2/IL-1R4, TSLPR Transcription Factors - h/m GATA-3, IRF4, STAT5, STAT6 Secretes - h/m IL-4, 5, 9, 10, 13, 21, 31, 3
				h/m IL-6, TGF- β , TNF- α Cell Surface - h/m CCR4, CCR6, CCR10, IL-6Ra, IL-21R, TGF- β R2+ Transcription Factors - h/m AHR, Batf, STAT3 Secretes - h/m CCL7/MCP-3, CCL15/MIP-1d, FGFs, IL-10, -13, -21, -22, TNF- α
				h/m IL-4, TGF- β Cell Surface - h/m IL-4Ra, IL-17BR/IL-17RB, TGF- β R2 Transcription Factors - h/m IRF4, PU.1 Secretes - h/m IL-9, -10
				h/m TGF- β , IL-2 h/m Regulatory T Cell 3-ColorFlow Kit (#FMC021/FMC022) h/m/r FoxP3 Allophycocyanin Affinity Purified PAb (#IC3240A) Cell Surface - h/m 5' Nucleotidase/CD73, CD5, CTLA-4, LAP, CD39/ENTPD1, Folate Receptor 4(FOLR4), GITR/TNFRSF18, IL-2Ra/CD25, IntegrinE/CD103, L-Selectin/CD62L, LRRC32/GARP, LAG-3/CD223, OX40/CD134 Transcription Factors - h/m FoxP3, STAT5 Secretes - h/m Galectin-1, IL-10, 35, TGF- β
				h/m TGF- β , IL-6, IL-21, IL-23, IL-1 β h/m Th17 4-ColorFlow Cytometry Kit (#FMC007) h Phospho-STAT3 (Y705) Affinity Purified PAb (#AF4607) h/m/r STAT3 MAb (Clone 232209), Mouse IgG2B (#MAB1799) h/m Phospho-STAT3 (Y705) DuoSet IC (#DYC4607B-2) Cell Surface - h/m CCR4, CCR6, IL-1R, IL-6Ra, IL-21R, IL-23R, TGF- β R2 Transcription Factors - h/m Batf, IRF4, RORa, RORr/RORC2, STAT3 Secretes - h/m CCL20/MIP-3a, IL-17A, 17F, 21, 22, 26, 6
Treg - Th17 Interaction				h/m IL-6, 23, TGF- β , IL-2 \leftrightarrow h/m IL-2, TGF- β , Retinoic Acid

- CTL (Cytotoxic T cell) CD8+/ Follicular helper T (Tfh) cell
- **PBMC**; h/m Erythrocyte Lysing Kit (#WL1000/ WL2000)
- **Isolate**; h/m T Cell Enrichment Column (#HTCC/ HCD8C/ MTCC/ MCD8C)
- Natural killer T (NKT) cell - **PBMC** ; h/m Erythrocyte Lysing Kit (#WL1000/ WL2000)

B/ NK Cells

Cell	PBMC	Isolate	Stimulate	Analyze
B cell	h/m Erythrocyte Lysing Kit (#WL1000/ WL2000)	h/m/r B Cell Isolation Kit (#MAGH103/MAGM204/MAGR303)	h/m CD40L	Secretes - h/m IL-2, IL-4, IL-5
NK cell		h/m NK Cell Isolation Kit (#MAGH109)	h/m IL-2	

- Monocyte-Macrophage - **Analyze; Secretes** - h/m IL-12, IL-18

- Basophil - **Analyze**; Buhlmann Flow CAST (CCR3-PE)

Immune Cell Culture의 혁신!!!

R&D CellXVivo™ 시리즈를 소개합니다!



T Cell

Human Th1 Cell Differentiation Kit (#CDK001)

Naive CD4+ T cell에서 Immature/Mature Th1 Cell 분화 유도

Human/Mouse Th2 Cell Differentiation Kit (#CDK002/CDK019)

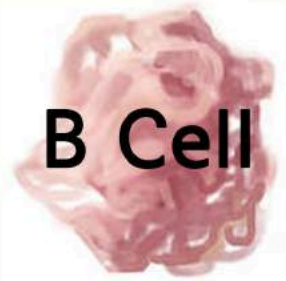
Naive CD4+ T cell에서 Immature/Mature Th2 Cell 분화 유도

Human Th17 Cell Differentiation Kit (#CDK003B)

Naive CD4+ T cell에서 Immature/Mature Th17 Cell 분화 유도

Human/Mouse Treg Cell Differentiation Kit (#CDK006/CDK007)

Naive CD4+ T cell에서 Immature/Mature Th1 Cell 분화 유도



B Cell

Human B Cell Expansion Kit (#CDK005)

Human B Cell 분화 및 증식 유도



NK Cell

Human NK Cell Expansion Kit (#CDK015)

PBMCs에서 CD3-CD56+ NK Cell을 증식 (CD3+CD56+ CIK Cell 증식 억제)

Human CIK Cell Expansion Kit (#CDK014)

PBMCs에서 CD3+CD56+ Cytokine-induced cell을 증식



MØ

Human M1 Macrophage Differentiation Kit (#CDK012)

CD14+ monocytes에서 Immature/Mature Macrophage 분화 유도

Human M2 Macrophage Differentiation Kit (#CDK013)

CD14+ monocytes에서 Immature/Mature Macrophage 분화 유도



DC

Human Monocyte-derived Dendritic Cell Differentiation Kit (#CDK004)

CD14+ monocytes 유래 Immature/Mature DC 분화 유도

Mouse Dendritic Cell Differentiation Kit (#CDK013)

Bone marrow cell에서 Immature/Mature dendritic cell 분화 유도