

# Dendritic Cell Research

## Culture



DC연구를 시작하는 연구자를 위한 Media

### Human StemXVivo Serum-Free Dendritic Cell Base Media

- ✓ Human DC 배양과 분화에 최적화된 Media
- ✓ Supplement 선택에 따라 다양한 실험 설계기 기능
- ✓ Ready to use, R&D의 High quality !!



신약 연구, Cell therapy 연구자의 필수품!!!

### GMP grade proteins for Ex-vivo Cell therapy

- ✓ 국제 GMP guideline을 준수하여 제작
- ✓ 신약 개발, 세포 치료제 개발의 필수 아이템
- ✓ Extensive Documentation; every stage of development, lot-to-lot consistency & traceability of materials used
- ✓ Rigorous QC using stringent analytical processes
- ✓ 6종 출시 (IL-6, Activin A, IL-4, GM-CSF, TNF-alpha)

Base Media에 IL-4와 GM-CSF를 넣으면 DC 분화가 엄청 활발하게 나타난다는 사실!  
알고 계시죠?

## Characterization

### Dendritic Cell 4-Color Flow Cytometry Kits

- ✓ Myeloid DC, Plasmacytoid DC Phenotype 확인에 최적화된 panel
- ✓ 4가지의 antibody에 형광까지 일어서 조합되어서 Ready to Use!
- ✓ 25Test 분량, High quality인 R&D의 Antibody로만 구성

#### Human Myeloid Dendritic Cell

- CD16-PerCP, BDCA3/CD141-PE, BDCA1/CD1c-APC, CD11c-Fluorescein

#### Human Plasmacytoid Dendritic Cell

- IL-3 R/CD123-PerCP, Neuropilin-1/BDCA-4-Fluorescein, DLEC/BDCA-2-PE, CD45-APC



## Products for Dendritic Cell Research

Products	Description	Cat No.
Media	Human StemXVivo Serum-free Dendritic Cell Base Media	CCM003
GMP Protein	Recombinant Human IL-6 GMP, CF	206-GMP
	Recombinant Human TNF-alpha GMP, CF	210-GMP
	Recombinant Human GM-CSF GMP, CF	215-GMP
	Recombinant Human TGF-beta 1 GMP, CF	240-GMP
	Recombinant Human/Mouse/Rat Activin A GMP, CF	338-GMP
	Recombinant Human IL-4 GMP, CF	204-GMP
Flow Cytometry	Human Myeloid Dendritic Cell 4-Color Flow Kit	FMC016
	Human Plasmacytoid Dendritic Cell 4-Color Flow Kit	FMC017

## Products for Dendritic Cell Lineage Research

Dendritic Cell Lineage Markers			
Molecules	Proteins	Antibodies	ELISAs; Cell Selection Kits
B7-1/CD80	H M R	H M R	H M
B7-2/CD86	H M R	H M R	R
B7-H1/PD-L1	H M	H M	
B220/CD45R		M	
CCR7		H M	
CCR9		H M	
CD1c/BDCA1		H	
CD3		M	H M R
CD3e		H M	
CD4	H	H M Ca F	M; H M R
CD8		H M F	H; H M R
CD24		H	
CD27 Ligand/TNFSF7	M	H M	M
CD40/TNFRSF5	H M	H M	M
CD43		H	
CD45	H	H M	H; H
CD83	H M	H M	
CD83, a.a. 20-143		H	
CX3CR1		H M	
DC-LAMP		H	
DC-SIGN/CD209	H	H	
DC-SIGN + DC-SIGNR		H	
DEC205/CD205		H M	

Dendritic Cell Lineage Markers			
Molecules	Proteins	Antibodies	ELISAs; Cell Selection Kits
DLEC/CLEC4C/BDCA2	H	H	
EMR1		M	
FcγRIII/CD16	H M	H M	
Flt-3/Flk-2	H M	H M	H
Gr-1/Ly-6G		M	
HLA-DR		H	
IL-3 Rα/CD123	H M	H M	
Integrin αE/CD103		M	
Integrin αM/CD11b		H M	
Integrin αV/CD51		H	H
Integrin αX/CD11c		H M	
Integrin αXβ2	H		
Langerin/CD207	H	H	
M-CSF R	H M	H M	H
NCAM-1/CD56	H	H	H; H
Neuropilin-1/BDCA4	H R	H M R	
PD-L2/CD273	H M	H M	
Sca-1/Ly6		M	M
SCF R/c-kit	H	H M	H
L-Selectin/CD62L	H M R	H M R	H M R
Thrombomodulin/BDCA3	H M	H M	H
TSLP R	H M	H M	

Key: H Human M Mouse R Rat Ca Canine F Feline