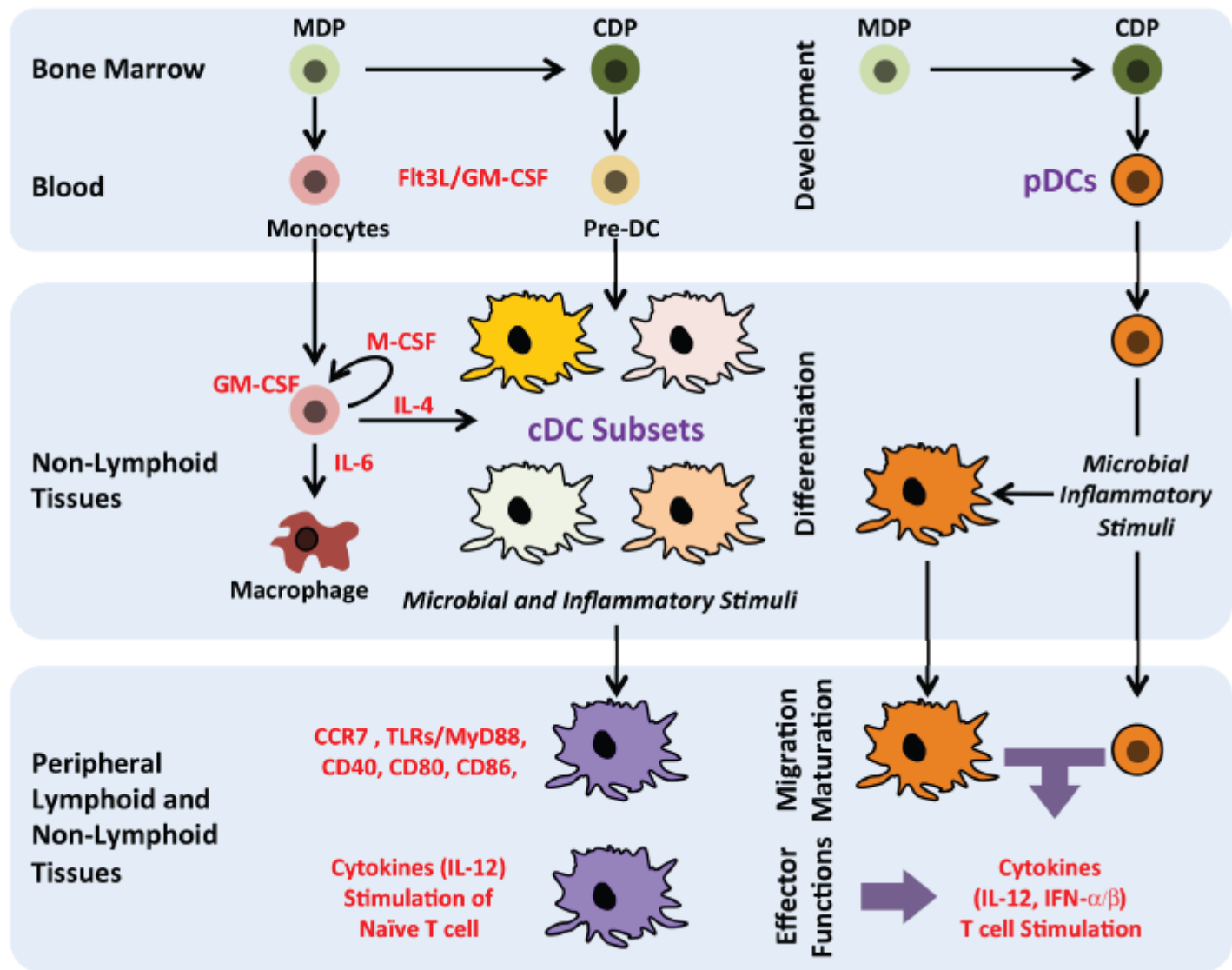


Dendritic cells (DCs) generate from the bone marrow, sharing a common precursor with other cells of the innate immune system, known as Macrophage and Dendritic Cell Precursors (MDP). Monocytes and Pre-DCs derived from MDP enter the blood stream and seed lymphoid and non-lymphoid tissues. Pre-DCs differentiate into conventional (c) DCs, whereas monocytes can give rise to macrophages or DCs, depending on the microenvironment. Plasmacytoid (p) DCs complete their development in the bone marrow. Upon microbial or inflammatory stimulation, DCs will mature and migrate to stimulate naïve T cells. pDCs can also differentiate into cDC-like cells. CDP: Common Dendritic Cell Precursor.



### Immunophenotyping

Human Antibody	Clone
CD4	RPA-T4 OKT4 SK3
CD8a	HIT8a RPA-T8 SK1
CD11b	CBRM1/5 ICRF44
CD11c	3.0 Bu15
CD103	Ber-ACT8
CD123	5B11 6H6
CD205 (DEC-205)	HD30
CD206 (MMR)	15-2
CD209 (DC-SIGN)	9E9A8 DCS-8C1
CD303	201A
HLA-DQ	HLADQ1
HLA-DR	L243 LN3

Mouse Antibody	Clone
CD4	GK1.5 RM4-4 RM4-5 H129.19
CD8a	53-6.7 5H10-1
CD11b	M1/70
CD11c	N418
CD45R (B220)	RA3-6B2
CD103	2E7
CD205 (DEC-205)	NLDC-145
CD206 (MMR)	C068C2
CD317	129C1 927
I-A/I-E	M5/114.15.2
I-Ab	KH74 AF6-120.1
I-Ab (Aβb)	25-9-17
I-Ad	25-9-17
I-Ak (Aak)	11-5.2 10-3.6
I-Aq	KH116
I-Ek/rat RT1D	14-4-45
Siglec-H	551
PDC-TREM	4A6

Rat Antibody	Clone
CD11b/c	OX-42
CD103	OX-62
RT1B	OX-6
RT1D	14-4-45

### Development and Differentiation

Human Antibody	Clone
CD14	HCD14
CD117 (c-kit)	104D2 A3C6E2
IL-4	8D4-8 MP4-25D2
IL-6	MQ2-13A5
GM-CSF	BVD2-21C1 BVD2-23B6

Mouse Antibody	Clone
CD117 (c-kit)	2B8 ACK2
GM-CSF	MP1-22E9 MP1-31G6
Gr1	RB6-8C5
IL-4	11B11 BVD6-24G2
IL-6	MP5-20F3 MP5-32C11
Ly6C	HK1.4

Recombinant Protein	
IL-4	Hu/ Mo
IL-6	Hu/ Mo / Rat
M-CSF	Hu/ Mo
GM-CSF	Hu/ Mo

ELISA	Reactivity
IL-4	Hu / Mo
IL-6	Hu/ Mo
GM-CSF	Hu/ Mo

### Related Products

RBC Lysis Buffer	FluoroFix™ Buffer
Brefeldin A (1000X)	Permeabilization Buffer
TruStain FcX™	Cyto-Last™ Buffer
Monensin (1000X)	7-AAD Viability Solution
Fixation Buffer	CFSE

For more product information, visit:  
**biolegend.com**

### Migration, Maturation and Effector Functions

Human Antibody	Clone
CD40	5C3 G28.5 HB14
CD80	MQ2-13A5
CD86	BVD2-21C1 BVD2-23B6
CD197 (CCR7)	G043H7 TG8/CCR7
CD281 (TLR1)	GD2.F4 TLR1.136
CD282 (TLR2)	T2.5 TL2.1
CD283 (TLR3)	TLR-104
CD284 (TLR4)	HTA125
CD284/MD2	MTS510
CD286 (TLR6)	TLR6.127
IFN-β	IFNb/A1
IL-12/IL23 p40	C11.5 C8.6
IL-12p70	7B12
MyD88	Poly6489

Mouse Antibody	Clone
CD40	1C10 3/23 HM40-3
CD80	MP5-20F3 MP5-32C11
CD86	MP1-22E9 MP1-31G6
CD197 (CCR7)	4B12
CD282 (TLR2)	T2.5
CD283 (TLR3)	11F8
CD284/MD2	MTS510
IFN-β	MIB-5E9.1
IL-12/IL23 p40	C15.6 C17.8
IL-12p70	C18.2
MyD88	Poly6489

Rat Antibody	Clone
CD80	3H5
CD86	24F

Recombinant Protein	
IL-12/IL-23 p40	Hu/ Mo
IL-12 p70	Hu/ Mo
IFN-β	Mo

ELISA	Reactivity
IL-12/IL-23 p40	Hu/ Mo
IL-12 p70	Hu/ Mo
IFN-β	Mo