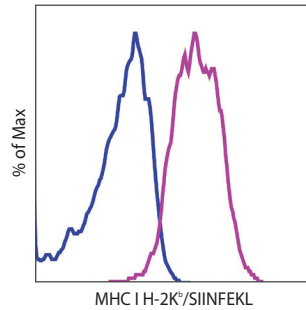


# Dendritic Cell Markers

## NEW Tools for Dendritic Cell Research

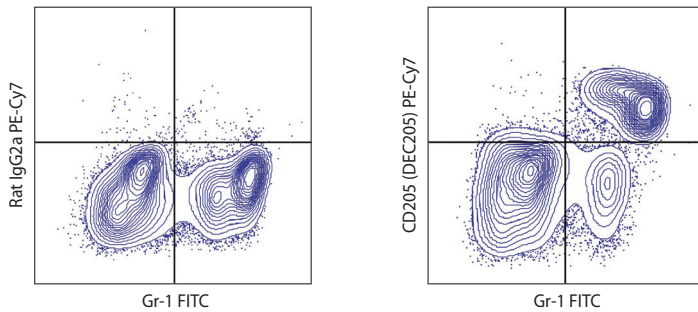
Dendritic cells (DC) are professional antigen presenting cells with the distinct ability to initiate naïve T cell responses to cognate antigen. DCs orchestrate the functional outcome of T cell activation depending on the type of DC presenting antigen and the physiological conditions in which DC:T cell interactions take place. DCs are thought to play a critical role in the differentiation of regulatory T cells and the development of T cell tolerance. Dendritic cells can be broadly categorized based on the expression patterns of a number of cell surface markers into myeloid-derived, lymphoid-derived, dermal-derived, and plasmacytoid DC.

### Mouse MHC Class I H-2K<sup>b</sup>/SIINFEKL



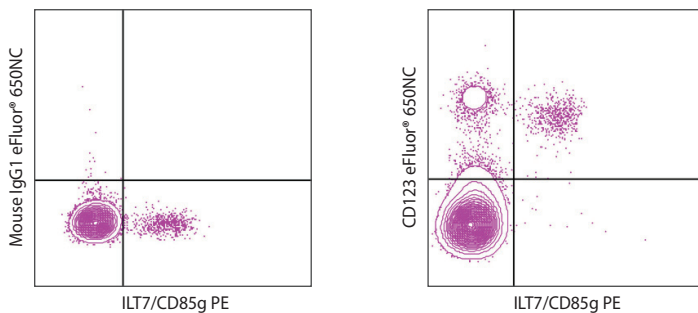
**Mouse MHC Class I H-2K<sup>b</sup>/SIINFEKL:** Staining of unpulsed (blue histogram) or OVA SIINFEKL-peptide pulsed (pink histogram) C57BL/6 splenocytes with PE anti-mouse MHC class I H-2K<sup>b</sup>/SIINFEKL (eBio25-D1.16) (cat. no. 12-5743). Total viable cells were used for analysis.

### Mouse DEC205 (CD205)



**Mouse DEC205 (CD205):** Mouse bone marrow cells were stained with FITC anti-mouse Gr1 (RB6-8C5) (cat. no. 11-5931) and either PE-Cy7 Rat IgG2a Isotype Control (cat. no. 25-4321) (left) or PE-Cy7 anti-mouse DEC205 (205yekta) (cat. no. 25-2051) (right). Total viable cells were used for analysis.

### Human ILT7 (novel pDC marker, CD85g)



**Human ILT7:** Staining of normal human peripheral blood cells with PE anti-human ILT7 (eBio17G10.2) (cat. no. 12-5179) and eFluor® 650NC Mouse IgG1 Isotype Control (cat. no. 95-4714) (left) or eFluor® 650NC anti-human CD123 (6H6) (cat. no. 95-1239) (right). Cells in the large scatter population were used for analysis.

2010 | April

### FEATURING

#### ANTIBODIES

- 33D1
- CCR7
- DC-SIGN
- DEC205 **NEW**
- ILT7
- Langerin
- MHC Class I H-2K<sup>b</sup>/SIINFEKL **NEW**
- PDCA-1/CD314
- Siglec-H

## New Dendritic Cell Markers

Mouse	Clone	Cat. No.	ELISA Ready-SET-Go! <sup>®</sup>	Recombinant	Carrier-free Recombinant	Single-use ELISA Standards (4 pack)	Polyclonal	Purified	Functional Grade™ Purified	Biotin	Functional Grade™ Biotin	eFluor <sup>®</sup> 450	eFluor <sup>®</sup> 605NC	eFluor <sup>®</sup> 650NC	FITC	Alexa Fluor <sup>®</sup> 488	PE	PE-Cy5	PE-Cy7	PerCP-Cy5.5	PerCP-eFluor <sup>®</sup> 710	APC	Alexa Fluor <sup>®</sup> 647	Alexa Fluor <sup>®</sup> 700	APC-eFluor <sup>®</sup> 780
33D1	33D1	5884						•		•															
CCR7 (CD197)	4B12	1971						•	•	•		•								•	•		•		•
CD80 (B7-1)	16-10A1	0801						•	•	•					•		•	•					•		
CD83	Michel-17	0831						•	•	•					•		•								
CD86 (B7-2)	P03.1	0861						•	•								•								
	GL1	0862						•	•	•					•		•	•					•		
CD123 (IL-3Ra)	5B11	1231						•		•					•		•						•		
CD205 (DEC205)	205yekta	2051						•		•									•		•	•			
CD207 (Langerin)	eBioRMUL.2	2073						•								•				•		•			
	eBioL31	2075						•		•							•							•	
CD209 (DC-SIGN)	5H10	2091						•		•							•								
	LWC06	2092						•		•					•		•						•		
CD273 (B7-DC)	TY25	5986						•	•	•							•								
	122	9972						•		•					•		•								
CD283 (TLR3)	T3.7C3	9032						•																	
CD289 (TLR9)	M9.D6	9093						•		•					•										
CXCR4 (CD184)	2B11/CXCR4	9991						•	•							•	•							•	
GITR Ligand	eBioYGL386	5854						•		•							•								
	--	8231		•	•	•																			
IL-23 p19	--	7234	•																						
	G23-8	7232						•	•																
MHC Class I H-2K <sup>b</sup> /SIINFEKL	eBio25-D1.16	5743						•		•							•				•	•			
MHC Class II	M5/114.15.2	5321						•	•	•	•	•	•	•	•	•	•	•			•	•		•	•
	14-4-4S	5980						•		•		•			•		•				•	•			
PDCA-1	eBio927	3172						•	•	•					•	•	•				•		•		
	eBio129c	3171						•								•								•	
Siglec H	eBio440c	0333						•							•						•		•		
<b>Human</b>	<b>Clone</b>	<b>Cat. No.</b>																							
CCR7 (CD197)	3D12	1979						•		•					•		•					•			•
CD1a	HI149	0019						•		•		•			•	•	•						•		
CD80 (B7-1)	2D10.4	0809						•	•	•					•		•	•			•				
CD83	HB15e	0839						•		•					•		•								
CD86 (B7-2)	IT2.2	0869						•	•	•							•	•							
CD123 (IL-3Ra)	6H6	1239						•		•		•	•	•	•	•	•			•	•		•		
CD205 (DEC205)	MG38	2059						•		•					•		•								
CD209 (DC-SIGN)	eB-h209	2099						•		•					•		•			•		•			
CD273 (B7-DC)	MIH18	5888						•	•	•							•								
CD283 (TLR3)	TLR3.7	9039						•	•	•							•								
CD289 (TLR9)	eB72-1665	9099						•									•								
CXCR4 (CD184)	12G5	9999						•	•	•							•	•	•			•			
GITR Ligand	eBioAITR-L	5475						•									•								
IFN-α2	225.C	8317													•										
IL-12 p40	eBioHP40	7235															•				•		•		
	--	8239		•	•	•																			
IL-23	--	7237	•																						
ILT1 (CD85h)	135.4	5119															•								
ILT2 (CD85j)	HP-F1	5129								•													•		
ILT3 (CD85k)	ZM4.1	5139							•								•								
ILT4 (CD85d)	27D6	5148													•										
	42D1	5149															•								
ILT5 (CD85a)	MKT5.7H5.1	5159																							
ILT7 (CD85g)	eBio17G10.2	5179							•								•			•			•		
TSLP Receptor	eBio1A6	5499						•									•								

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