

Table A. Monoclonal antibodies directed against porcine differentiation antigens identified during various swine CD workshops, HLDA8 and other studies. First swine CD workshop: black [122]; second swine CD workshop: blue [174]; third swine CD workshop: red [88]; HLDA8 workshop; italic [171].

Cell subset/ Function	CD#	CD/SWC	Structure	MW (kDa)	Clone	Isotype	References	Commercial sources
B cells/APC w/ beta2m	CD1	CD1a	IgSF	< 14/41	<u>76-7-4</u>	IgG2a	[86]	ATCC, VMRD, Southern biotech
					MT-101	IgG1		Serotec
T cells/ CD58 ligand, adhesion, T cell activation	CD2	CD2a	IgSF	50-55	<u>MSA4</u> ¹	IgG2a	[83, 139]	VMRD
		CD2a		50-56	MAC83	IgM	[139, 143, 170]	Serotec
		CD2a		50-57	MAC80	IgG2a	[139, 143, 170]	Fitzgerald Industries BD pharmingen; Fitzgerald Industries
		wCD2a			1038-8-31	IgM	[162]	
		wCD2a			PG168A	IgG3	[45, 162]	
		CD2a		55	PGBL6A	IgG2a	[139, 143, 170]	
		hu CD2a			RPA-2.10	IgG1	[10]	Pharmingen
		CD2a			1038H-5-37	IgM	[170]	
		CD2a		55	PGBL23A	IgG1	[139, 143, 170]	
		T cells/ w/ TcR , TcR surface expression,/signal transduction		CD3,e polypeptide chain	CD3a	IgSF	24/48	BB23-8E6
CD3a	24		FY2A11		IgG1			
CD3b	24		FY2C1 (PPT6)		IgG1		[88, 142, 238]	
CD3b	25		FY1A3		IgG1			
CD3c	18/25		FY1H2 (PPT3)		IgG1		{Pescovitz, 1998 244 /id; Yang, 1998 2230 /id	Southern biotech
CD3			8C8		IgG2a		[142]	VMRD
CD3			2B3c		IgG2b		[142]	VMRD

T cells / pDC ⁶	wCD3		24										
Naive T cell/ MHC II coreceptor, T cell differentiation activation	CD4a CD4a CD4a CD4a CD4a CD4a CD4a CD4	IgSF	55 55 60 55										
	wCD4a												
T cells / SCR / B ₁ cells, CD72 receptor, TcR or BCR signalling, T-B interaction	CD5a CD5a CD5a wCD5a wCD5a wCD5a wCD5a wCD5a wCD5a	SRCR	63 55/60 55/60										
T cells / SCR/ T cells, MHC I co-receptor, T cell differentiation/activation	CD6a wCD6 wCD6 wCD8a (α chain) wCD8a (α chain) wCD8a (α chain) wCD8a (α chain) wCD8a (α chain) CD8b (α chain) CD8b (α chain) CD8b (α chain)	SRCR IgSF I	110 150 33/35 33/66 33/35 35/70										

	CD44 wCD44	90	MAC325 25-32	IgG2a (rat) IgG1	[235, 236, 247] [247]	Serotec; Fitzgerald Industries
all nucleated haemopoietic cells but absent from erythrocytes and platelets, multiple isoforms from alternative splicing / Tyrosine phosphatase, enhanced TcR and BcR signals	CD45	190/210/226(240)	K252.1E4	IgG1	[252]	Serotec; Fitzgerald Industries
	CD45	226/1190	2A5	IgG1	[39]	Serotec
	CD45	226	MAC323	IgG2a	[26, 252]	VMRD
	CD45	226	74-9-3	IgM	[252]	VMRD
	CD45RA	226	STH267	IgG1	[188, 250]	VMRD
B cells, Activation marker	CD45RA	226	PGB78A	IgM	[61]	VMRD
	CD45RA	226	PG96A	IgG1	[60]	VMRD
	CD45RA	226	PG77A	IgM	[60]	VMRD
	CD45RA	226	PG167A	IgG1	[192]	VMRD
	CD45RA	226	MIL13	IgG1	[32]	Serotec; Fitzgerald Industries
	CD45RA	226	NHT 101	IgG1	[253]	Fitzgerald Industries
	CD45RA	226	3C3/9	IgG1	[39]	Fitzgerald Industries
	CD45RA	226	FG2F9	IgG1	[188, 250]	Fitzgerald Industries
	CD45RA	226	6E3/7	IgG1	[188, 250]	Fitzgerald Industries
	CD45RC	210/226	MAC326	IgM (rat)		
CD4 cells, Activation marker	CD45RC	210	3a56	IgG1	[247,250,253]	Serotec
	CD45RC	210	MIL15	IgM	[253]	Serotec
	CD45RC	210	MIL5	IgG1	[188] [250]	Serotec
	CD45RC	210	-a2	IgG1	[188]	Serotec
	CD46	45-65	JM6C11	IgG1	[115]	Serotec
Membrane co-factor protein (MCP), binds C3b and C4b allowing degradation by Factor I	wCD46	50-60	6D8/8	IgG1	[40]	Serotec
	wCD46		2C11	IgG1	[40]	Serotec
	wCD49d	150	L25	IgG2b	[100, 204]	Serotec
α4 integrin (VLA-4) w/CD29 binds laminin, fibronectin and collagen	HuCD49		HP2/1	IgG1	[100]	Serotec
	CD49		FW3-218	IgG2b	[123]	VMRD
	huCD49	120	NKI-GoH3	IgG2a	[202]	Serotec

	HuCD49	CD49f										
$\beta 3$ integrin	CD50	wCD50	IgSF	I30								[192]
$\beta 3$ integrin, adhesion, CD41/CD61 or CD51/CD61 mediates adhesion to ECM	CD61	CD61	Integrin family	110/100/25								[86, 204]
<i>LAMP and SCR family</i>	<i>huCD68</i>	CD68	sialomucin									[115]
T activés , B, NK and gran., thymocytes, platelets/signal transduction	CD69		C-type lectin									[2]
B cell markers (MB-1)	CD79	CD79a	IgSF	45								[96]
<i>B7-1, BBI/DC, activated B cells and Macrophage</i> <i>Binds to CD28, CD152, T co-stimulation</i>	CD80	CD79b	IgSF									
<i>B7-2/B, monocytes DC, some T</i> <i>Binds to CD28, CD152, T co-stimulation</i>	CD86		IgSF									
<i>Macrophage, monocyte Receptor for alpha2 macroglobulin</i>	CD91		LDL RF									
	CD92	wCD92		70								
	CD93	wCD93		110								
Lysosomal membrane protein	CD107a	LAMP1										
Cell-cell adhesion	CD144	VE-cadherin	Cadherin family									
receptor for hemoglobin-haptoglobin complexes/Monocytes/macrophages/DC/SCR	CD163	CD163	SRCR	120								
Adhesion, cell-cell interaction	CD169	wCD163										
T cells, monocytes, granulocytes	SWC1	SWC1a SWC1a SWC1a	IgSF, Sialoadhesin,	16								

	SWC1a					PT15A	IgG2a	[163]	
	SWC1a					PT80A	IgG2a	[163]	
	wSWC1	16				76-6-7	IgM	[144, 163]	
	wSWC1					PT37A	IgG3	[144]	
	wSWC1					PT91A	IgG3	[144]	
	wSWC1	19				335-2	IgG2a	[91, 144]	
	wSWC1					11/305/44	IgG2b	[144]	
T cells	SWC2	49-51				b30e7	IgG1	[162, 170]	
	SWC2					STH055	IgG1	[162, 170]	
	wSWC2					PG124A	IgG1	[162, 170]	
Myeloid/macrophage	CD172a	68/97				74-22-15	IgG2a	[5, 28, 144]	Southern biotech, VMRD
	wCD172a					BB6-6F3	IgG1	[28]	
	wCD172a					DH59B	IgG1	[122]	VMRD
	CD172	90-110			SIRP	BL1H7	IgG1	[5]	Serotec
	SWC4	160/280				MAC319	IgG1(rat)	[60]	
Null cells	SWC4	160/280				MAC318	IgG2a	[60]	
	wSWC4					PG83A	IgG3	[24]	
Null cells	SWC5	180				b37c10	IgG1	[24]	
	wSWC5					PG92A	IgM	[61]	VMRD
Null cells	SWC6	130-160				MAC320	IgG2a (rat)	[24, 25]	BD bioscience
B cells, activated T cells	wSWC7	90				IAH-CC55	IgG1	[62, 63]	
	SWC7					2A10/8	IgG1	[62, 63]	
	SWC7					2F6/8	Ig2a	[62, 63]	
Adhesion molecule, myeloid, B and T cells	SWC8	32				MUC20A	IgG1	[85, 91]	
	SWC8					MIL3	IgM	[85, 91]	
Myeloid/macrophage	SWC9	130/> 205			ecto-nucleotide-pyrophosphatase/p	PM18-7	IgG1	[68, 69]	Serotec
	SWC9	130/> 205			hosphordi-esterase-1	C4	IgG1	[68, 69]	
Polymorphic or unspecified MHC class I	CI I	< 14/43				74-11-10	IgG2b	[93][145]	
						2.12.3	IgM	[93][119]	

