

## US Veterinary Immune Reagents Network Swine Reagents Update

### Reagent Source

This listing (updated 3/13) includes commercially available reagents for swine immune studies, with emphasis on recombinant cytokines, chemokines and other immune proteins and monoclonal antibodies (mAb) reactive with them and their cell surface receptors.

If you have any additions for this Table or suggestions of priority molecules for the US VIRN Swine Toolkit efforts please send them to [joan.lunney@ars.usda.gov](mailto:joan.lunney@ars.usda.gov).

Thanks!

<b>USE KEY</b>	<b>Primary Application</b>
AP	Affinity Purification
B/N	Blocking/Neutralize
CD	Cell Depletion
Cytoset	Full Elisa kit
DB	Dot Blots
E (c,d)	ELISA (capture,direct)
ELISA	Full kit
EMSA	Gel Shift
FC	Flow Cytometry
FA	Functional Assay
IF	Immunofluorescence
IHC (F,P,R)	Immunohistochemistry (Frozen, Parrafin, Resin)
IP	Immunoprecipitation
L	Luminex assay kit
mAb	monoclonal antibodies
pAb	polyclonal antibodies
R	Recombinant cytokine
R	Western Blot

<b>Useful Website for Swine Immune Reagents</b>		
<b>SOURCE</b>	<b>Short Name</b>	<b>URL</b>
AbD Serotec	AbD Serotec	<a href="http://www.abdserotec.com/">http://www.abdserotec.com/</a>
Affymetrix Panomics Solutions	Affymetrix	<a href="http://www.panomics.com">http://www.panomics.com</a>
Antigenix America	Antigenix	<a href="http://www.antigenix.com/">http://www.antigenix.com/</a>
ATCC American Type Culture Collection	ATCC	<a href="http://www.atcc.org/">http://www.atcc.org/</a>
Aushon BioSystems	Aushon	<a href="http://www.aushon.com/Menu.php">http://www.aushon.com/Menu.php</a>
BD Bioscience/Pharmingen	BD	<a href="http://www.bdbiosciences.com/home/">http://www.bdbiosciences.com/home/</a>
Beckman Coulter	Beckman	<a href="http://www.beckmancoulter.com/wsrportal/wsr/research-and-discovery/products-and-services/flow-cytometry/antibodies-to-anti-porcine-antigens/index.htm">http://www.beckmancoulter.com/wsrportal/wsr/research-and-discovery/products-and-services/flow-cytometry/antibodies-to-anti-porcine-antigens/index.htm</a>
Bethyl Laboratory Inc.	Bethyl	<a href="http://www.bethyl.com/">http://www.bethyl.com/</a>
Cell Sciences	Cell Science	<a href="http://www.cellsciences.com/content/p-prodlist.asp?search=global">http://www.cellsciences.com/content/p-prodlist.asp?search=global</a>
Fitzgerald/Research Diagnostics	Fitzgerald	<a href="http://www.fitzgerald-fii.com/">http://www.fitzgerald-fii.com/</a>
Invitrogen/BioSource	Invitrogen	<a href="http://www.invitrogen.com/site/us/en/home/brands/BioSource.html?CID=fl-biosource">http://www.invitrogen.com/site/us/en/home/brands/BioSource.html?CID=fl-biosource</a>
Kingfisher Biotech, Inc	Kingfisher	<a href="http://www.kingfisherbiotech.com/">http://www.kingfisherbiotech.com/</a>
Millipore	Millipore	<a href="http://www.millipore.com/catalogue/index">http://www.millipore.com/catalogue/index</a>
PBL Interferon Source	PBL	<a href="https://www.interferonsource.com/content">https://www.interferonsource.com/content</a>
Thermo Scientific Pierce Protein	Thermo	<a href="http://www.piercenet.com/">http://www.piercenet.com/</a>
Prospecbio Protein Specialists	Prospec	<a href="http://www.prospecbio.com/">http://www.prospecbio.com/</a>
R&D Systems	R&D	<a href="http://www.rndsystems.com/">http://www.rndsystems.com/</a>
Southern Biotech	S Biotech	<a href="http://www.southernbiotech.com/">http://www.southernbiotech.com/</a>
Thermo Scientific Pierce	Thermo Pierce	<a href="http://www.thermoscientific.com">http://www.thermoscientific.com</a> <a href="http://www.piercenet.com">http://www.piercenet.com</a>
WSU mAb Center [previously VMRD, Inc.]	WSU	<a href="http://www.vetmed.wsu.edu/depts-MoAb/">http://www.vetmed.wsu.edu/depts-MoAb/</a>
US Veterinary Immune Reagents Network	VIRN	<a href="http://www.vetimm.org">www.vetimm.org</a>
USDA ARS DGIL Porcine Immunology and Nutrition database	PIN db	<a href="http://www.ars.usda.gov/Services/docs.htm?docid=6065">http://www.ars.usda.gov/Services/docs.htm?docid=6065</a>

## Swine Cytokine and Chemokine Reagents

Reagent Source	Source	Reagent	mAb #	Expression Vector	Applications /Uses	Product Number
CCL2 (MCP-1)	Kingfisher	ELISA			E	AR0133-002
CCL2 (MCP-1)	Kingfisher	pAb			E, WB	PB0088S-100
CCL2 (MCP-1)	Kingfisher	R		<i>P. pastoris</i>	R	RP0017S-005
CCL2 (MCP-1)	Kingfisher	VetSet			E	VS0081S-002
CCL20 (LARC)	Kingfisher	R		<i>P. pastoris</i>	R	RP0118S-005
CCL3L1 (LD78)	Kingfisher	pAb			E, WB	PB0391S-100
CCL3L1 (LD78)	Kingfisher	R		<i>P. pastoris</i>	R	RP0075S-005
CCL4 (MIP-1 $\beta$ )	Kingfisher	R		<i>P. pastoris</i>	R	RP0069S-005
CCL4 (MIP-1 $\beta$ )	Kingfisher	pAb			WB	PA0339S-100
CCL4 (MIP-1 $\beta$ )	Kingfisher	pAb			E	PB0329S-100
CCL5 (RANTES)	Kingfisher	R		<i>P. pastoris</i>	R	RP0059S-005
CXCL10 (IP-10)	Kingfisher	pAb			WB	PB0119S-100
CXCL10 (IP-10)	Kingfisher	R		<i>P. pastoris</i>	R	RP0004S-005
CXCL11 (I-)	Kingfisher	R		<i>P. pastoris</i>	R	RP0005S-005
CXCL9 (MIG)	Kingfisher	R		<i>P. pastoris</i>		RP0309S-005
CXCL9 (MIG)	Kingfisher	pAb			E	PB0420S-100
GM-CSF	AbD Serotec	R			E, FA	PPP014
GM-CSF	Invitrogen	R		<i>E. coli</i>	R	PSC2014
GM-CSF	Prospecbio	R		<i>E. coli</i>	R	CYT-401
GM-CSF	R&D	mAb	111802		B/N, Ed, WB	MAB711
GM-CSF	R&D	pAb			B/N, Ed, WB	AF711
GM-CSF	R&D	pAb			Ed, WB	BAF711
GM-CSF	R&D	R		<i>E.coli</i>	R	711-PG-010
IFN- $\alpha$	AbD Serotec	mAb	G16		E, FA, WB	MCA1935Z
IFN- $\alpha$	Aushon	mAb			E	26-010-1-AB
IFN- $\alpha$	Cell Science	mAb	F17		WB, IHC, IP	CM2042
IFN- $\alpha$	Cell Science	pAb	K9		WB, IHC, IP	CM2041
IFN- $\alpha$	Kingfisher	R			E	PBB0451S-050
IFN- $\alpha$	Kingfisher	pAb		<i>P. pastoris</i>	R	RP0010S-005
IFN- $\alpha$	Kingfisher	mAb			E, WB	PB0445S-100
IFN- $\alpha$	PBL	mAb	F17		E, IHC, IP, WB	27105-1
IFN- $\alpha$	PBL	pAb	K9		E, IHC, IP, WB	27100-1
IFN- $\alpha$	PBL	R				17105-1
IFN- $\alpha$	PBL	mAb			R	
IFN- $\alpha$	Pierce	mAb	F17		E, IHC, IP, WB	
IFN- $\alpha$	Pierce	mAb	K9		E, IHC, IP, WB	271001
IFN- $\alpha$	R&D	mAb	F17		B/N	27105-1
IFN- $\alpha$	R&D	R	K9		B/N	27100-1
IFN- $\alpha$	R&D	R			R	17105-1
IFN- $\beta$	Kingfisher	pAb		<i>P. pastoris</i>	R	RP0011S-005
IFN- $\beta$	Kingfisher	mAb			WB	PA0340S-100
IFN- $\gamma$	AbD Serotec	mAb (HuCAL Fab)	CC302		E, F*	MCA1783
IFN- $\gamma$	AbD Serotec	mAb	6477		E	HCA090
IFN- $\gamma$	Antigenix	mAb	47		IHC, WB	APG721
IFN- $\gamma$	Antigenix	Searchlight			E	APG711
IFN- $\gamma$	Aushon	mAb			E	26-002-1-AB
IFN- $\gamma$	BD	mAb	P2G10		Ec	559961
IFN- $\gamma$	BD	R	P2C11		Ed	559958
IFN- $\gamma$	Cell Science	ELISA Kit		<i>E. coli</i>	R	CRI006A
IFN- $\gamma$	Fitzgerald	Antibody Pair			E	55R-IB49728
IFN- $\gamma$	Invitrogen	ELISA kit			E	CSC4033

Reagent Source	Source	Reagent	mAb #	Expression Vector	Applications /Uses	Product Number
IFN- $\gamma$	Invitrogen	mAb			E	KSC4021
IFN- $\gamma$	Invitrogen	mAb	A151D5B8		E	ASC4934
IFN- $\gamma$	Invitrogen	pAb	A151D13C5		E	ASC4839
IFN- $\gamma$	Invitrogen	R			WB, DB	ASC4032
IFN- $\gamma$	Invitrogen	ELISA		<i>E. coli</i>	R	PSC4034
IFN- $\gamma$	Kingfisher	pAb			E	AR0133-002
IFN- $\gamma$	Kingfisher	R			E, WB	PBB0269S-050
IFN- $\gamma$	Kingfisher	VetSet		<i>P. pastoris</i>	R	RP0126S-005
IFN- $\gamma$	Kingfisher	pAb			E	VS0259S-002
IFN- $\gamma$	Millipore	mAb	AB10624		DB, WB	AB10626
IFN- $\gamma$	Pierce	pAb	P2F6		E, WB	MP700
IFN- $\gamma$	Pierce	mAb			WB	PP700
IFN- $\gamma$	Pierce	ELISA kit	CC302		E, FC	MBOIFNG
IFN- $\gamma$	Pierce	Luminex			E	EPIFNG
IFN- $\gamma$	Procarta	R			L	
IFN- $\gamma$	Prospecbio	ELISA kit		<i>E. coli</i>	R	CYT-402
IFN- $\gamma$	R&D	ELISpot Kit			E	PIF00
IFN- $\gamma$	R&D	mAb			Ec	EL985
IFN- $\gamma$	R&D	mAb	154002		B/N	MAB9851
IFN- $\gamma$	R&D	pAb	154007		FC	MAB985
IFN- $\gamma$	R&D	R		<i>E. coli</i>	B/N, IHC, WB	BAF985
IFN- $\gamma$	R&D	R		<i>E. coli</i>	R	985-PI-050
IL-1 $\alpha$	AbD Serotec	R		<i>E. coli</i>	FA	PPP004
IL-1 $\alpha$	Prospecbio	mAb		<i>E. coli</i>	R	CYT-396
IL-1 $\alpha$	R&D	pAb	85733		WB	MAB315
IL-1 $\alpha$	R&D	pAb			B/N, WB	AF680
IL-1 $\alpha$	R&D	R			WB	BAF680
IL-1 $\alpha$	R&D	mAb		<i>E. coli</i>	R	680-PI-010
IL-1 $\beta$	AbD Serotec	Searchlight	DF8		WB	MCA2361Z
IL-1 $\beta$	Aushon	pAb			E	26-001-1-AB
IL-1 $\beta$	Invitrogen	R			WB	ASC0912
IL-1 $\beta$	Kingfisher	pAB		<i>P. pastoris</i>	R	RP0297S-005
IL-1 $\beta$	Millipore	mAb	AB10626		WB	AB10626
IL-1 $\beta$	Pierce	pAb	DF8		WB	MP425
IL-1 $\beta$	Pierce	R			WB	PP425
IL-1 $\beta$	Pierce	Luminex		<i>P. pastoris</i>	R	RPIL1BI
IL-1 $\beta$	Procarta	R			L	
IL-1 $\beta$	Prospecbio	mAb		<i>E. coli</i>	R	CYT-400
IL-1 $\beta$	R&D	mAb	77720		B/N, WB	MAB681
IL-1 $\beta$	R&D	pAb	77724		B/N, EC, WB	MAB6811
IL-1 $\beta$	R&D	pAb			B/N, WB	AF681
IL-1 $\beta$	R&D	R			Ed, WB	BAF681
IL-1 $\beta$	R&D	ELISA		<i>E. coli</i>	R	681-PI-010
IL-1 $\beta$	R&D	ELISpot Kit			ELISA	PLB00B
IL-1 $\beta$	R&D				ELISA	SEL681
IL-1ra	Kingfisher	mAb		<i>P. pastoris</i>		RP0425S-005
IL-1ra	R&D	pAb	114801		E, WB	MAB780
IL-1ra	R&D	pAb			BN, IHC, WB	AF780
IL-1ra	R&D	R			WB	BAF780
IL-1ra	R&D	Searchlight		<i>E. coli</i>	R	780-RA-025
IL-2	Aushon	Antibody Pair			E	26-770-1-AB
IL-2	Invitrogen	mAb			E	CSC1243
IL-2	Invitrogen	mAb	A150D8H10		E	ASC0829
IL-2	Invitrogen	R	A150D3F1		E	ASC0924
IL-2	Invitrogen	R		<i>E. coli</i>	R	PSC0021
IL-2	Prospecbio	mAb		<i>E. coli</i>	R	CYT-397

Changes, product numbers and hyperlinks by Deanna Chapa

Reagent Source	Source	Reagent	mAb #	Expression Vector	Applications /Uses	Product Number
IL-2	R&D	mAb	100321		WB	MAB652
IL-2	R&D	pAb	100312		FC	IC6521P
IL-2	R&D	pAb			IHC, WB	BAF652
IL-2	R&D	R			B/N, IHC, WB	AF652
IL-2	R&D	R		<i>E.coli</i>	R	652-P2-020
IL-2	R&D	mAb		<i>E. coli</i>	R	1015-P2-020
IL-4	AbD Serotec	pAb	CC303		E, FC	MCA1820
IL-4	AbD Serotec	R			WB	AHP827Z
IL-4	AbD Serotec	Searchlight		<i>E. coli</i>	E, FA	PPP015
IL-4	Aushon	ELISA kit			E	26-040-1-AB
IL-4	Invitrogen	mAb			E	KSC0041
IL-4	Invitrogen	R	A155B-15C6		E	ASC0849
IL-4	Invitrogen	R		<i>E. coli</i>	R	PSC0045
IL-4	Kingfisher	pAb		<i>P. pastoris</i>	R	RP0300S-005
IL-4	Kingfisher	pAb			E	PB0475S-100
IL-4	Millipore	Luminex	AB10623		DB, WB	AB10623
IL-4	Procarta	R			L	
IL-4	Prospecbio	ELISA	CYT-398	<i>E. coli</i>	R	CYT-398
IL-4	R&D	mAb			E	DY654
IL-4	R&D	mAb	286120		B/N, WB	MAB6542
IL-4	R&D	mAb	99605		FC, WB	MAB6543
IL-4	R&D	pAb	99613		E, WB	MAB6541
IL-4	R&D	pAb			B/N, Ec, IHC, WB	AF654
IL-4	R&D	R			Ed, WB	BAF654
IL-4	R&D	pAb		<i>E. coli</i>	R	654-P4-025
IL-5	R&D	R			B/N, IHC, WB	AF3137
IL-5	R&D	mAb			R	3137-PL-010
IL-5	Pierce	Searchlight	TRFK4		E, WB	
IL-6	Aushon	R			E	26-080-1-AB
IL-6	Invitrogen	R		<i>E. coli</i>	R	PSC0061
IL-6	Kingfisher	pAb		<i>P. pastoris</i>	R	RP0138S-005
IL-6	Kingfisher	pAb			E, WB	PB0327S-100
IL-6	Pierce	R			WB	PP690
IL-6	Pierce	Luminex		<i>P. pastoris</i>	R	RPIL6I
IL-6	Procarta	R			L	
IL-6	Prospecbio	ELISA		<i>E. coli</i>	R	CYT-399
IL-6	R&D	mAb			E	P6000B
IL-6	R&D	mAb	77830		IHC, WB	MAB686
IL-6	R&D	pAb	90613		FC, WB	MAB6861
IL-6	R&D	pAb			BN, Ec, WB	AF686
IL-6	R&D	R			E, WB	BAF686
IL-6	R&D	Luminex		<i>E. coli</i>	R	686-PI-025
IL-8/CXCL-8	Procarta	R			L	
IL-8/CXCL-8	Prospecbio	mAb	CHM-340	<i>E. coli</i>	R	CHM-340
IL-8/CXCL-8	AbD Serotec	pAb	8M6		E, FC, WB	MCA1660
IL-8/CXCL-8	AbD Serotec	Searchlight			WB	AHP829Z
IL-8/CXCL-8	Aushon	pAb			E	26-100-1-AB
IL-8/CXCL-8	Cell Science	Antibody pair			WB	CPI115
IL-8/CXCL-8	Invitrogen	R			E	CSC1223
IL-8/CXCL-8	Invitrogen	ELISA kit		<i>E. coli</i>	R	PSC0884
IL-8/CXCL-8	Invitrogen	ELISA			E	KSC0081
IL-8/CXCL-8	Kingfisher	pAb			E	AR0133-002
IL-8/CXCL-8	Kingfisher	R			E, WB	PB0143S-100
IL-8/CXCL-8	Kingfisher	VetSet		<i>P. pastoris</i>	R	RP0109S-005
IL-8/CXCL-8	Kingfisher	mAb			E	VS0254S-002

Changes, product numbers and hyperlinks by Deanna Chapa

Reagent Source	Source	Reagent	mAb #	Expression Vector	Applications /Uses	Product Number
IL-8/CXCL-8	Pierce	mAb	NB8		WB	MP800
IL-8/CXCL-8	Pierce	ELISA	8M6		E, FC, WB	MA1-82421
IL-8/CXCL-8	R&D	mAb			E	P8000
IL-8/CXCL-8	R&D	mAb	105105		B/N, Ec, WB	MAB5351
IL-8/CXCL-8	R&D	pAb	105115		B/N, WB	MAB535
IL-8/CXCL-8	R&D	pAb			B/N, WB	AF535
IL-8/CXCL-8	R&D	R			Ed, WB	BAF535
IL-8/CXCL-8	R&D	mAb		<i>E. coli</i>	R	535-IN-025
IL-8/CXCL-8	Thermo	pAb	8M6		E, FC, WB	
IL-8/NAP-1	Invitrogen	Searchlight			WB	ASC0082
IL-10	Aushon	Antibody pair			E	26-200-1-AB
IL-10	Invitrogen	ELISA kit			E	CSC0103
IL-10	Invitrogen	mAb			E	KSC0102
IL-10	Invitrogen	R	945A1A92 6C2		E	ASC9109
IL-10	Invitrogen	mAb		<i>E. coli</i>	R	PSC0105
IL-10	Invitrogen	R	945A4C43 7B1		E	ASC0104
IL-10	Kingfisher	Luminex		<i>P. pastoris</i>	R	RP0301S-005
IL-10	Procarta	R			L	
IL-10	Prospecbio	ELISA kit		<i>E. coli</i>	R	CYT-404
IL-10	R&D	mAb			E	P1000
IL-10	R&D	mAb	148801		B/N	MAB6931
IL-10	R&D	mAb	148806		WB	MAB693
IL-10	R&D	pAb	262715		IHC	MAB6932
IL-10	R&D	pAb			IHC, WB	AF693
IL-10	R&D	R			WB	BAF693
IL-10	R&D	pAb		<i>E. coli</i>	R	693-PI-010
IL-12	R&D	R			WB	BAF912
IL-12p40	Pierce	mAb		<i>P. pastoris</i>	R	RPIL12P40I
IL-12p40	AbD Serotec	pAb	I-1A4		E, IHC	MCA1613
IL-12	R&D	mAb		<i>CHO</i>	B/N, Ed, WB	AF912
IL-12/IL-23p40	R&D	mAb	116211		Ed	BAM9122
IL-12/IL-23p40	R&D	mAb	116224		Ec	MAB9121
IL-12/IL-23p40	R&D	Quantikine	116237		E, WB	MAB912
IL-12/IL-23p40	R&D	mAb			E	P1240
IL-12/IL-35p35	R&D	ELISA	116219		FC, WB	MAB1171
IL-13	Kingfisher	pAb			E	AR0133-002
IL-13	Kingfisher	R			E, WB	PB0095S-100
IL-13	Kingfisher	VetSet		<i>P. pastoris</i>	R	RP0007S-005
IL-13	Kingfisher	R			E	VS0084S-002
IL-15	AbD Serotec	R		<i>E. coli</i>	FA	PPP010
IL-15	Kingfisher	R		<i>P. pastoris</i>	R	RP0045S-005
IL-15	Prospecbio	pAb		<i>E. coli</i>	R	CYT-403
IL-17	Pierce	ELISA			E, IHC, WB	PY-10007
IL-17A	Kingfisher	pAb			E	AR0133-002
IL-17A	Kingfisher	R			E, WB	PB0158S-100
IL-17A	Kingfisher	VetSet		<i>P. pastoris</i>	R	RP0128S-005
IL-17A	Kingfisher	R			E	VS0260S-002
IL-17F	Kingfisher	ELISA		<i>P. pastoris</i>	R	RP0291S-005
IL-18	Fitzgerald	mAb			E	55R-IB49729
IL-18	AbD Serotec	mAb	5-C-5		E, WB	MCA2094
IL-18	AbD Serotec	ELISA kit	7-G-8		E, WB	MCA2093
IL-18	Invitrogen	pAb			E	KSC0181
IL-18	R&D	pAb			IHC, WB	AF588
IL-18	R&D	R			WB	BAF588

Changes, product numbers and hyperlinks by Deanna Chapa

Reagent Source	Source	Reagent	mAb #	Expression Vector	Applications /Uses	Product Number
IL-18	R&D	R		<i>E. coli</i>	R	588-PL-025
IL-22	Kingfisher	pAb		<i>P. pastoris</i>	R	RP0262S-005
IL-22	Kingfisher	mAb			E, WB	PB0319S-100
TGF-β1	BD	mAb	A75-2		E, WB	555052
TGF-β1	BD	Antibody pair	A75-3		E	555053
TGF-β1	Invitrogen	pAb			E	CHC1683
TGF-β1	Millipore	Luminex			WB	ABF17
TGF-β1	Procarta	ELISA			L	
TGF-β1	R&D	mAb			E	MB100B
TGF-β1	R&D	purified protein	141322		E, WB	MAB2401
TGF-β1	R&D	mAb		<i>porcine platelets</i>		101-B1-001
TGF-β2	R&D	purified protein	8607		Ec, IHC, WB	MAB612
TGF-β2	R&D	mAb		<i>porcine platelets</i>		102-B2-001
TGF-β3	R&D	mAb	20724		B/N, IHC, WB	MAB243
TGF-β3	R&D	mAb	44922		Ec, IHC, WB	MAB643
TNF-α	AbD Serotec	mAb	4-F-4		E, FA	MCA2359Z
TNF-α	AbD Serotec	Searchlight	6E10		E, FA, WB	MCA2360Z
TNF-α	Aushon	Antibody pair			E	26-010-1-AB
TNF-α	Invitrogen	ELISA kit			E	CSC1753
TNF-α	Invitrogen	R			E	KSC3011
TNF-α	Invitrogen	R		<i>E. coli</i>	R	PSC3015
TNF-α	Kingfisher	pAb		<i>P. pastoris</i>	R	RP0080S-005
TNF-α	Kingfisher	pAb			WB	PA0144S-100
TNF-α	Kingfisher	ELISA kit			E, WB	PB0317S-100
TNF-α	Pierce	R			E	EP2TNFA
TNF-α	Pierce	Luminex		<i>P. pastoris</i>	R	RPTNFAI
TNF-α	Procarta	R			L	
TNF-α	Prospecbio	ELISA	CYT-405	<i>E. coli</i>	R	CYT-405
TNF-α	R&D	ELISpot Kit			E	PTA00
TNF-α	R&D	mAb			E	SEL690
TNF-α	R&D	mAb	103302		B/N, IHC, WB	MAB6903
TNF-α	R&D	mAb	103304		Ec	MAB6902
TNF-α	R&D	mAb	103314		B/N	MAB6901
TNF-α	R&D	pAb	77938		WB	MAB690
TNF-α	R&D	pAb			WB	BAF690
TNF-α	R&D	R			B/N, IHC, WB	AF690
TNF-α	R&D	mAb		<i>E. coli</i>	R	690-PT-025
TNF-α	Pierce	mAb	6E10		WB, E, FA	
TNF-α	Pierce		4F4			

	A	B	C	D	E	F	G	H	I	J
1	<b>Monoclonal Antibodies (mAbs) to Swine Cell Surface</b>									
2										
3	<b>Commerical Source/ Cell Antigen</b>	<b>AdD Serotec</b>	<b>Antigenix America</b>	<b>ATCC</b>	<b>BD</b>	<b>Beckman Coulter</b>	<b>Fitzgerald</b>	<b>Southern Biotech</b>	<b>Thermo</b>	<b>WSU mAb Center</b>
4	CD1			76-7-4			76-7-4	76-7-4		76-7-4
5	CD2									MSA4, PG168A
6	CD2a	MAC83	MAC80						MAC83	
7	CD3		rat Anti-Pig CD3							
8	CD3e	CD3-12			BB23-8E6 -8C8	BB23-8E6	PPT3, BB23-8E6	PPT3, BB23-8E6		2B3C, 8E6, 8C8
9	CD4/CD4a	MIL17	MIL17	74-12-4	74-12-4		74-12-4	74-12-4	MIL17	IL-A11, 74-12-4, PT90A
10	CD5	1H6/8								9G12, PG114A
11	CD6	MIL8					MIL8			PG90A
12	CD8		MIL-12							
13	CD8a	MIL-12		76-2-11	76-2-11	76-2-11	76-2-11	76-2-11	MIL-12	76-2-11, PT81B, PT36B, PG164A
14	CD8b				295/33-25					
15	CD9								72F6,	
16	CD10								MEM-78	
17	CD11a	BL1H8								MUC76A
18	CD11b		3E10							
19	CD11d								CA16.3D3	
20	CD11R1	MIL4								
21	CD11R3	2F4/11								
22	CD14	TÜK4, MIL-2	MIL2			322A-1 (MY-4)	MIL-2		MA1-82693	CAM36A
23	CD16	G7	G7		FeG7				MEM-168, G7	
24	CD16				6.7,				CA1.4E9	BAQ30A
25	CD18a	PNK-I							PNK-1	
26	CD20								MEM-97	
27	CD21				B-ly4	BB6-11C9.6	BB6-11C9.6	BB6-11C9.6	LT21	BB6-11C9
28	CD24Like		anti-CD25							MUC106A
29	CD25	K231.3B2							1H6/8	PGBL25A
30	CD29		CI4		NaM160-1A3					FW4-101
31	CD31	LCI-4, LCI-9			TLD-3A12				LCI-4, LCI-9	
32	CD32								AT10	
33	CD34									
34	CD44	MAC329			IM7		MAC329		MAC329, MEM-263	PORC24A, BAG40A, BAT31A
35	CD44H		IE4		MAC329					
36	CD45	K252-1E4		74-9-3	2A5		K252-1E4, MAC323			74-9-3A1
37	CD45	MAC323 *	anti-CD45RA							
38	CD45RA	MIL13			3C3/9				MIL13	PG96A, PG97A, PGB78A, PG167A
39	CD45RC	MIL15, MIL5			3a56				MIL15	
40	CD46	JM6C11, 6D8/8			JM6C11				6D8/8	
41	CD47	BRIC126							BRIC 126, MEM-122	TH17A
42	CD49b				AK-7					
43	CD49d	HP2/1							HP2/1	FW3-218
44	CD49e				VC5					
45	CD49f	NKI-GoH3			GoH3				NKI-GoH3	
46	CD54	15.2								
47	CD59		2E5						MEM-129	
48	CD61	JM2E5	Searchlight							
49	CD62E/P	1.2B6								
50	CD62L				MECA-79					



	A	B	C	D	E	F	G	H	I	J
3	<b>Commerical Source/ Cell Antigen</b>	<b>AdD Serotec</b>	<b>Antigenix America</b>	<b>ATCC</b>	<b>BD</b>	<b>Beckman Coulter</b>	<b>Fitzgerald</b>	<b>Southern Biotech</b>	<b>Thermo</b>	<b>WSU mAb Center</b>
51	CD75s	LN-1								
52	CD79b	AT107-2								
53	CD80				16-10A1					
54	CD90				5E10					
55	CD95				DX2					
56	CD105		G11B1		5605-EN-025				MEM-226, MEM229	
57	CD106									
58	CD107a	4E9/11								
59	CD117	2B8/BM								
60	CD144	I23								
61	CD147									
62	CD152				BNI3					
63	CD163	2A100/11								
64	CD163	3B1/11								
65	CD172 (SWC3)	BL1H7		74-22-15	74-22-15A	74-22-15				74-22-15, 74-22-15A, DH59B
66	CD203a	PM 18-7							PM 18-7	
67	CD235a				1AC11					
68	CD284								HTA125	
69	Ki-67				B56					
70	MHC/SLA class I	JM1E3		74-11-10	1E3		JM1E3		2G5	74-11-10; PT85, H17A#
71	MHC/SLA class II		3G8							MSA3, TH21A, H42A
72	MHC/SLA class II DQ	K274.3G8							K274.3G8, SPV-L3, HL-37	BAQ150A, TH22A5
73	MHC/SLA class II DR	2E9/13			1053h2-18-1, 1F12				HL-38, HL-40	
74	SWC1a	K263.3D7							K263.3D7	
75	SWC3a => see CD172									
76	SWC6	MAC320							MAC320	
77	SWC7	2F6/8								
78	SWC8	MIL3								
79	SWC9 => CD203a									
80										
81	<b>General Cell Markers</b>									
82	B-Cells							BB6-10A10		BB6-10A10
83	TCR delta									PGBL22A, 86D, PT79A
84	$\gamma\delta$ T Cells				MAC320					PG92A, PG74C1 GB45A
85	WC1-N26 Pan Leuk.									
86	WC1 Bovine Macrophages	CC101 BA4D5		CC15						
87									MAC387, PM-2K	
88	Monocyte/ Granulocyte	2B2			74-22-15A			74-22-15		
89	Granulocytes (Neutrophil lineage)	6D10								
90	Endothelial cells								KG7/30, MIL11	
91	<b>Commerical Source</b>	<b>AbD Serotec</b>	<b>Antigenix America</b>	<b>ATCC</b>	<b>BD Pharmingen</b>	<b>Beckman Coulter</b>	<b>Fitzgerald</b>	<b>Southern Biotech</b>	<b>Thermo</b>	<b>WSU mAb Center</b>
92										