RT² Profiler PCR Array (384-Well Format)

Mouse Inflammatory Response & Autoimmunity 384HT

Cat. no. 330231 PAMM-3803ZE

For pathway expression analysis

Format	For use with the following real-time cyclers
RT² Profiler PCR Array, Format E	Applied Biosystems® models 7900HT (384-well block), ViiA™ 7 (384-well block); Bio-Rad CFX384™
RT² Profiler PCR Array, Format G	Roche® LightCycler® 480 (384-well block)

Description

The Mouse Inflammatory Response & Autoimmunity 384HT RT² Profiler PCR Array profiles the expression of 370 key genes involved in immune responses during autoimmunity and inflammation. It represents the expression of inflammatory cytokines, chemokines, and their receptors. It also contains genes related to the production and metabolism of cytokines. Genes involved in cytokine-cytokine receptor interactions are as well as thoroughly researched panels of genes involved in the acute-phase, inflammatory, and humoral immune responses. Using real-time PCR, you can easily and reliably analyze the expression of a focused panel of genes related to autoimmunity and inflammation with this array.

For further details, consult the *RT² Profiler PCR Array Handbook*.

Shipping and storage

RT² Profiler PCR Arrays in formats E and G are shipped at ambient temperature, on dry ice, or blue ice packs depending on destination and accompanying products.

For long term storage, keep plates at –20°C.

Note: Ensure that you have the correct RT² Profiler PCR Array format for your real-time cycler (see table above).

Note: Open the package and store the products appropriately immediately on receipt.

Gene table: RT² Profiler PCR Array

Position	UniGene	GenBank	Symbol	Description
A01	Mm.298908	NM_001008533	Adora1	Adenosine A1 receptor
A02	Mm.197554	NM_013465	Ahsg	Alpha-2-HS-glycoprotein
A03	Mm.10747	NM_019467	Aif1	Allograft inflammatory factor 1
A04	Mm.235137	NM_007926	Aimp1	Aminoacyl tRNA synthetase complex-interacting multifunctional protein 1
A05	Mm.330510	NM_011318	Apcs	Serum amyloid P-component
A06	Mm.389209	NM_013474	Apoa2	Apolipoprotein A-II
A07	Mm.232636	NM_029419	Apol7a	Apolipoprotein L 7a
A08	Mm.125650	NM_001081970	Apol8	Apolipoprotein L 8
A09	Mm.8039	NM_009704	Areg	Amphiregulin
A10	Mm.347398	NM_009744	Bcl6	B-cell leukemia/lymphoma 6
A11	Mm.9749	NM_008528	Blnk	B-cell linker
A12	Mm.27757	NM_009755	Bmp1	Bone morphogenetic protein 1
A13	Mm.103205	NM_007553	Bmp2	Bone morphogenetic protein 2
A14	Mm.209571	NM_173404	Bmp3	Bone morphogenetic protein 3
A15	Mm.595	NM_007557	Bmp7	Bone morphogenetic protein 7
A16	Mm.19131	NM_009778	C3	Complement component 3
A17	Mm.2408	NM_009779	C3ar1	Complement component 3a receptor 1
A18	Mm.477109	NM_011413	C4a	Complement component 4A (Rodgers blood group)
A19	Mm.29163	NM_009817	Cast	Calpastatin
A20	Mm.1283	NM_011329	Ccl1	Chemokine (C-C motif) ligand 1
A21	Mm.4686	NM_011330	Ccl11	Chemokine (C-C motif) ligand 11
A22	Mm.867	NM_011331	Ccl12	Chemokine (C-C motif) ligand 12
A23	Mm.41988	NM_011332	Ccl17	Chemokine (C-C motif) ligand 17
A24	Mm.424740	NM_011888	Ccl19	Chemokine (C-C motif) ligand 19
B01	Mm.290320	NM_011333	Ccl2	Chemokine (C-C motif) ligand 2
B02	Mm.116739	NM_016960	Ccl20	Chemokine (C-C motif) ligand 20
B03	Mm.12895	NM_009137	Ccl22	Chemokine (C-C motif) ligand 22
B04	Mm.31505	NM_019577	Ccl24	Chemokine (C-C motif) ligand 24
B05	Mm.7275	NM_009138	Ccl25	Chemokine (C-C motif) ligand 25
B06	Mm.143745	NM_020279	Ccl28	Chemokine (C-C motif) ligand 28
B07	Mm.1282	NM_011337	Ccl3	Chemokine (C-C motif) ligand 3
B08	Mm.244263	NM_013652	Ccl4	Chemokine (C-C motif) ligand 4
B09	Mm.284248	NM_013653	Ccl5	Chemokine (C-C motif) ligand 5
B10	Mm.137	NM_009139	Ccl6	Chemokine (C-C motif) ligand 6
B11	Mm.341574	NM_013654	Ccl7	Chemokine (C-C motif) ligand 7
B12	Mm.42029	NM_021443	Ccl8	Chemokine (C-C motif) ligand 8
B13	Mm.416125	NM_011338	Ccl9	Chemokine (C-C motif) ligand 9
B14	Mm.274927	NM_009912	Ccr1	Chemokine (C-C motif) receptor 1
B15	Mm.8021	NM_007721	Ccr10	Chemokine (C-C motif) receptor 10
B16	Mm.6272	NM_009915	Ccr2	Chemokine (C-C motif) receptor 2
B17	Mm.57050	NM_009914	Ccr3	Chemokine (C-C motif) receptor 3
B18	Mm.1337	NM_009916	Ccr4	Chemokine (C-C motif) receptor 4
B19	Mm.14302	NM_009917	Ccr5	Chemokine (C-C motif) receptor 5
B20	Mm.8007	NM_009835	Ccr6	Chemokine (C-C motif) receptor 6
B21	Mm.2932	NM_007719	Ccr7	Chemokine (C-C motif) receptor 7
B22	Mm.442098	NM_007720	Ccr8	Chemokine (C-C motif) receptor 8
B23	Mm.440604	NM_009913	Ccr9	Chemokine (C-C motif) receptor 9
B24	Mm.269254	NM_145700	Ccrl1	Chemokine (C-C motif) receptor-like 1
C01	Mm.7336	NM_017466	Ccrl2	Chemokine (C-C motif) receptor-like 2
C02	Mm.3460	NM_009841	Cd14	CD14 antigen

Position	UniGene	GenBank	Symbol	Description
C03	Mm.373974	NM_008533	Cd180	CD180 antigen
C04	Mm.367714	NM_001033126	Cd27	CD27 antigen
C05	Mm.255003	NM_007642	Cd28	CD28 antigen
C06	Mm.2209	NM_013488	Cd4	CD4 antigen
C07	Mm.271833	NM_011611	Cd40	CD40 antigen
C08	Mm.4861	NM_011616	Cd40lg	CD40 ligand
C09	Mm.42228	NM_011617	Cd70	CD70 antigen
C10	Mm.439737	NM_010545	Cd74	CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated)
C11	Mm.1452	NM_019388	Cd86	CD86 antigen
C12	Mm.334648	NM_011925	Cd97	CD97 antigen
C13	Mm.439656	NM_009883	Cebpb	CCAAT/enhancer binding protein (C/EBP), beta
C14	Mm.6780	NM_009887	Cer1	Cerberus 1 homolog (Xenopus laevis)
C15	Mm.269219	NM_029295	Cklf	Chemokine-like factor
C16	Mm.347919	NM_019952	Clcf1	Cardiotrophin-like cytokine factor 1
C17	Mm.443302	NM_181990	Cmtm1	CKLF-like MARVEL transmembrane domain containing 1
C18	Mm.272746	NM_027022	Cmtm2a	CKLF-like MARVEL transmembrane domain containing 2A
C19	Mm.425178	NM_016673	Cntfr	Ciliary neurotrophic factor receptor
C20	Mm.28767	NM_007768	Crp	C-reactive protein, pentraxin-related
C21	Mm.795	NM_007778	Csf1	Colony stimulating factor 1 (macrophage)
C22	Mm.4922	NM_009969	Csf2	Colony stimulating factor 2 (granulocyte-macrophage)
C23	Mm.287228	NM_009970	Csf2ra	Colony stimulating factor 2 receptor, alpha, low-affinity (granulocyte-macrophage)
C24	Mm.1238	NM_009971	Csf3	Colony stimulating factor 3 (granulocyte)
D01	Mm.271701	NM_007782	Csf3r	Colony stimulating factor 3 receptor (granulocyte)
D02	Mm.389954	NM_007795	Ctf1	Cardiotrophin 1
D03	Mm.249829	NM_198858	Ctf2	Cardiotrophin 2
D04	Mm.103711	NM_009142	Cx3cl1	Chemokine (C-X3-C motif) ligand 1
D05	Mm.44065	NM_009987	Cx3cr1	Chemokine (C-X3-C) receptor 1
D06	Mm.21013	NM_008176	Cxcl1	Chemokine (C-X-C motif) ligand 1
D07	Mm.877	NM_021274	Cxcl10	Chemokine (C-X-C motif) ligand 10
D08	Mm.131723	NM_019494	Cxcl11	Chemokine (C-X-C motif) ligand 11
D09	Mm.303231	NM_021704	Cxcl12	Chemokine (C-X-C motif) ligand 12
D10	Mm.10116	NM_018866	Cxcl13	Chemokine (C-X-C motif) ligand 13
D11	Mm.30211	NM_019568	Cxcl14	Chemokine (C-X-C motif) ligand 14
D12	Mm.64326	NM_011339	Cxcl15	Chemokine (C-X-C motif) ligand 15
D13	Mm.425692	NM_023158	Cxcl16	Chemokine (C-X-C motif) ligand 16
D14	Mm.4979	NM_009140	Cxcl2	Chemokine (C-X-C motif) ligand 2
D15	Mm.4660	NM_009141	Cxcl5	Chemokine (C-X-C motif) ligand 5
D16	Mm.766	NM_008599	Cxcl9	Chemokine (C-X-C motif) ligand 9
D17	Mm.337035	NM_178241	Cxcr1	Chemokine (C-X-C motif) receptor 1
D18	Mm.234466	NM_009909	Cxcr2	Chemokine (C-X-C motif) receptor 2
D19	Mm.12876	NM_009910	Cxcr3	Chemokine (C-X-C motif) receptor 3
D20	Mm.1401	NM_009911	Cxcr4	Chemokine (C-X-C motif) receptor 4
D21	Mm.6246	NM_007551	Cxcr5	Chemokine (C-X-C motif) receptor 5
D22	Mm.124289	NM_030712	Cxcr6	Chemokine (C-X-C motif) receptor 6
D23	Mm.200362	NM_007807	Cybb	Cytochrome b-245, beta polypeptide
D24	Mm.255246	NM_175475	Cyp26b1	Cytochrome P450, family 26, subfamily b, polypeptide 1
E01	Mm.294870	NM_080837	D17Wsu104e	DNA segment, Chr 17, Wayne State University 104, expressed
E02	Mm.380679	NM_033374	Dock2	Dedicator of cyto-kinesis 2
E03	Mm.256798	NM_015766	Ebi3	Epstein-Barr virus induced gene 3
E04	Mm.328086	NM_010099	Eda	Ectodysplasin-A
E05	Mm.15295	NM_007940	Ephx2	Epoxide hydrolase 2, cytoplasmic
E06	Mm.349116	NM_007942	Epo	Erythropoietin
E07	Mm.2653	NM_010149	Epor	Erythropoietin receptor
E08	Mm.290822	NM_001003817	Erbb2	V-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)
E09	Mm.277354	NM_021563	Erbb2ip	Erbb2 interacting protein
E10	Mm.294882	NM_172647	F11r	F11 receptor
E11	Mm.89048	NM_010168	F2	Coagulation factor II
E12	Mm.273188	NM_010171	F3	Coagulation factor III
E13	Mm.1805	NM_007977	F8	Coagulation factor VIII
E14	Mm.3355	NM_010177	Fasl	Fas ligand (TNF superfamily, member 6)
E15	Mm.241282	NM_010197	Fgf1	Fibroblast growth factor 1
E16	Mm.317323	NM_008002	Fgf10	Fibroblast growth factor 10
E17	Mm.7996	NM_010199	Fgf12	Fibroblast growth factor 12
E18	Mm.473689	NM_008006	Fgf2	Fibroblast growth factor 2
E19	Mm.4947	NM_008007	Fgf3	Fibroblast growth factor 3
E20	Mm.4956	NM_010202	Fgf4	Fibroblast growth factor 4
E21	Mm.5055	NM_010203	Fgf5	Fibroblast growth factor 5
E22	Mm.3403	NM_010204	Fgf6	Fibroblast growth factor 6

Position	UniGene	GenBank	Symbol	Description
E23	Mm.330557	NM_008008	Fgf7	Fibroblast growth factor 7
E24	Mm.4012	NM_010205	Fgf8	Fibroblast growth factor 8
F01	Mm.8846	NM_013518	Fgf9	Fibroblast growth factor 9
F02	Mm.297978	NM_010216	Figf	C-fos induced growth factor
F03	Mm.1658	NM_013520	Flt3l	FMS-like tyrosine kinase 3 ligand
F04	Mm.193099	NM_010233	Fn1	Fibronectin 1
F05	Mm.246513	NM_010234	Fos	FBJ osteosarcoma oncogene
F06	Mm.56951	NM_013521	Fpr1	Formyl peptide receptor 1
F07	Mm.258280	NM_008107	Gdf1	Growth differentiation factor 1
F08	Mm.422844	NM_019506	Gdf2	Growth differentiation factor 2
F09	Mm.299742	NM_008108	Gdf3	Growth differentiation factor 3
F10	Mm.4744	NM_008109	Gdf5	Growth differentiation factor 5
F11	Mm.302555	NM_013526	Gdf6	Growth differentiation factor 6
F12	Mm.271308	NM_013527	Gdf7	Growth differentiation factor 7
F13	Mm.9714	NM_008110	Gdf9	Growth differentiation factor 9
F14	Mm.88367	NM_010279	Gfra1	Glial cell line derived neurotrophic factor family receptor alpha 1
F15	Mm.32619	NM_008115	Gfra2	Glial cell line derived neurotrophic factor family receptor alpha 2
F16	Mm.3986	NM_010284	Ghr	Growth hormone receptor
F17	Mm.41417	NM_133248	Glmn	Glomulin, FKBP associated protein
F18	Mm.589	NM_008155	Gpi1	Glucose phosphate isomerase 1
F19	Mm.32160	NM_175493	Gpr68	G protein-coupled receptor 68
F20	Mm.166318	NM_011824	Grem1	Gremlin 1
F21	Mm.25760	NM_011825	Grem2	Gremlin 2 homolog, cysteine knot superfamily (Xenopus laevis)
F22	Mm.1568	NM_008175	Grn	Granulin
F23	Mm.318567	NM_207225	Hdac4	Histone deacetylase 4
F24	Mm.22665	NM_010412	Hdac5	Histone deacetylase 5
G01	Mm.384027	NM_019572	Hdac7	Histone deacetylase 7
G02	Mm.310551	NM_024124	Hdac9	Histone deacetylase 9
G03	Mm.333327	NM_008285	Hrh1	Histamine receptor H1
G04	Mm.377087	NM_008333	Ifna11	Interferon alpha 11
G05	Mm.377947	NM_206975	Ifna14	Interferon, alpha 14
G06	Mm.14091	NM_010503	Ifna2	Interferon alpha 2
G07	Mm.377088	NM_010504	Ifna4	Interferon alpha 4
G08	Mm.377092	NM_010507	Ifna9	Interferon alpha 9
G09	Mm.377093	NM_008336	Ifnab	Interferon alpha B
G10	Mm.502	NM_010508	Ifnar1	Interferon (alpha and beta) receptor 1
G11	Mm.6834	NM_010509	Ifnar2	Interferon (alpha and beta) receptor 2
G12	Mm.1245	NM_010510	Ifnb1	Interferon beta 1, fibroblast
G13	Mm.246593	NM_177348	Ifne	Interferon epsilon
G14	Mm.240327	NM_008337	Ifng	Interferon gamma
G15	Mm.549	NM_010511	Ifngr1	Interferon gamma receptor 1
G16	Mm.249364	NM_008338	Ifngr2	Interferon gamma receptor 2
G17	Mm.386929	NM_199157	Ifnk	Interferon kappa
G18	Mm.30234	NM_011879	Ik	IK cytokine
G19	Mm.874	NM_010548	Il10	Interleukin 10
G20	Mm.379327	NM_008348	Il10ra	Interleukin 10 receptor, alpha
G21	Mm.4154	NM_008349	Il10rb	Interleukin 10 receptor, beta
G22	Mm.35814	NM_008350	Il11	Interleukin 11
G23	Mm.193451	NM_010549	Il11ra1	Interleukin 11 receptor, alpha chain 1
G24	Mm.103783	NM_008351	Il12a	Interleukin 12A
H01	Mm.239707	NM_008352	Il12b	Interleukin 12B
H02	Mm.731	NM_008353	Il12rb1	Interleukin 12 receptor, beta 1
H03	Mm.188337	NM_008354	Il12rb2	Interleukin 12 receptor, beta 2
H04	Mm.1284	NM_008355	Il13	Interleukin 13
H05	Mm.24208	NM_133990	Il13ra1	Interleukin 13 receptor, alpha 1
H06	Mm.368330	NM_008356	Il13ra2	Interleukin 13 receptor, alpha 2
H07	Mm.4392	NM_008357	Il15	Interleukin 15
H08	Mm.200196	NM_008358	Il15ra	Interleukin 15 receptor, alpha chain
H09	Mm.10137	NM_010551	Il16	Interleukin 16
H10	Mm.5419	NM_010552	Il17a	Interleukin 17A
H11	Mm.59313	NM_019508	Il17b	Interleukin 17B
H12	Mm.222808	NM_145834	Il17c	Interleukin 17C
H13	Mm.390726	NM_145837	Il17d	Interleukin 17D
H14	Mm.222807	NM_145856	Il17f	Interleukin 17F
H15	Mm.4481	NM_008359	Il17ra	Interleukin 17 receptor A
H16	Mm.269363	NM_019583	Il17rb	Interleukin 17 receptor B
H17	Mm.1410	NM_008360	Il18	Interleukin 18
H18	Mm.253664	NM_008365	Il18r1	Interleukin 18 receptor 1
H19	Mm.20466	NM_010553	Il18rap	Interleukin 18 receptor accessory protein
H20	Mm.131480	NM_001009940	Il19	Interleukin 19
H21	Mm.15534	NM_010554	Il1a	Interleukin 1 alpha

Position	UniGene	GenBank	Symbol	Description
H22	Mm.222830	NM_008361	Il1b	Interleukin 1 beta
H23	Mm.218750	NM_153077	Il1f10	Interleukin 1 family, member 10
H24	Mm.29261	NM_019451	Il1f5	Interleukin 1 family, member 5 (delta)
I01	Mm.133095	NM_019450	Il1f6	Interleukin 1 family, member 6
I02	Mm.45901	NM_027163	Il1f8	Interleukin 1 family, member 8
I03	Mm.249379	NM_153511	Il1f9	Interleukin 1 family, member 9
I04	Mm.896	NM_008362	Il1r1	Interleukin 1 receptor, type I
I05	Mm.1349	NM_010555	Il1r2	Interleukin 1 receptor, type II
I06	Mm.253424	NM_008364	Il1rap	Interleukin 1 receptor accessory protein
I07	Mm.328321	NM_030688	Il1rapl2	Interleukin 1 receptor accessory protein-like 2
I08	Mm.289824	NM_010743	Il1rl1	Interleukin 1 receptor-like 1
I09	Mm.155583	NM_133193	Il1rl2	Interleukin 1 receptor-like 2
I10	Mm.882	NM_031167	Il1rn	Interleukin 1 receptor antagonist
I11	Mm.14190	NM_008366	Il2	Interleukin 2
I12	Mm.103794	NM_021380	Il20	Interleukin 20
I13	Mm.234667	NM_172786	Il20ra	Interleukin 20 receptor, alpha
I14	Mm.157689	NM_021782	Il21	Interleukin 21
I15	Mm.155643	NM_021887	Il21r	Interleukin 21 receptor
I16	Mm.103585	NM_016971	Il22	Interleukin 22
I17	Mm.261647	NM_178257	Il22ra1	Interleukin 22 receptor, alpha 1
I18	Mm.331979	NM_178258	Il22ra2	Interleukin 22 receptor, alpha 2
I19	Mm.125482	NM_031252	Il23a	Interleukin 23, alpha subunit p19
I20	Mm.221227	NM_144548	Il23r	Interleukin 23 receptor
I21	Mm.196691	NM_053095	Il24	Interleukin 24
I22	Mm.222632	NM_145636	Il27	Interleukin 27
I23	Mm.259623	NM_174851	Il28ra	Interleukin 28 receptor alpha
I24	Mm.915	NM_008367	Il2ra	Interleukin 2 receptor, alpha chain
J01	Mm.35287	NM_008368	Il2rb	Interleukin 2 receptor, beta chain
J02	Mm.2923	NM_013563	Il2rg	Interleukin 2 receptor, gamma chain
J03	Mm.983	NM_010556	Il3	Interleukin 3
J04	Mm.75049	NM_029594	Il31	Interleukin 31
J05	Mm.380801	NM_139299	Il31ra	Interleukin 31 receptor A
J06	Mm.425857	NM_008369	Il3ra	Interleukin 3 receptor, alpha chain
J07	Mm.276360	NM_021283	Il4	Interleukin 4
J08	Mm.233802	NM_001008700	Il4ra	Interleukin 4 receptor, alpha
J09	Mm.4461	NM_010558	Il5	Interleukin 5
J10	Mm.3448	NM_008370	Il5ra	Interleukin 5 receptor, alpha
J11	Mm.1019	NM_031168	Il6	Interleukin 6
J12	Mm.2856	NM_010559	Il6ra	Interleukin 6 receptor, alpha
J13	Mm.4364	NM_010560	Il6st	Interleukin 6 signal transducer
J14	Mm.3825	NM_008371	Il7	Interleukin 7
J15	Mm.389	NM_008372	Il7r	Interleukin 7 receptor
J16	Mm.3006	NM_008373	Il9	Interleukin 9
J17	Mm.384	NM_008374	Il9r	Interleukin 9 receptor
J18	Mm.1100	NM_010564	Inha	Inhibin alpha
J19	Mm.8042	NM_008380	Inhba	Inhibin beta-A
J20	Mm.3092	NM_008381	Inhbb	Inhibin beta-B
J21	Mm.46269	NM_008386	Ins1	Insulin I
J22	Mm.4946	NM_008387	Ins2	Insulin II
J23	Mm.4677	NM_013674	Irf4	Interferon regulatory factor 4
J24	Mm.3233	NM_016850	Irf7	Interferon regulatory factor 7
K01	Mm.1137	NM_008404	Itgb2	Integrin beta 2
K02	Mm.34819	NM_018746	Itih4	Inter alpha-trypsin inhibitor, heavy chain 4
K03	Mm.45124	NM_013598	Kitl	Kit ligand
K04	Mm.2160	NM_023125	Kng1	Kininogen 1
K05	Mm.218846	NM_008489	Lbp	Lipopolysaccharide binding protein
K06	Mm.378911	NM_010094	Lefty1	Left right determination factor 1
K07	Mm.87078	NM_177099	Lefty2	Left-right determination factor 2
K08	Mm.259282	NM_010704	Lepr	Leptin receptor
K09	Mm.4964	NM_008501	Lif	Leukemia inhibitory factor
K10	Mm.149720	NM_013584	Lifr	Leukemia inhibitory factor receptor
K11	Mm.87787	NM_010735	Lta	Lymphotoxin A
K12	Mm.1715	NM_008518	Ltb	Lymphotoxin B
K13	Mm.20853	NM_008519	Ltb4r1	Leukotriene B4 receptor 1
K14	Mm.2074	NM_013825	Ly75	Lymphocyte antigen 75
K15	Mm.2639	NM_010745	Ly86	Lymphocyte antigen 86
K16	Mm.116844	NM_016923	Ly96	Lymphocyte antigen 96
K17	Mm.906	NM_010784	Mdk	Midkine
K18	Mm.143718	NM_019453	Mefv	Mediterranean fever
K19	Mm.272197	NM_011844	Mgll	Monoglyceride lipase
K20	Mm.2326	NM_010798	Mif	Macrophage migration inhibitory factor

Position	UniGene	GenBank	Symbol	Description
K21	Mm.235343	NM_001033339	Mmp25	Matrix metallopeptidase 25
K22	Mm.4864	NM_010823	Mpl	Myeloproliferative leukemia virus oncogene
K23	Mm.3514	NM_010834	Mstn	Myostatin
K24	Mm.214599	NM_080457	Muc4	Mucin 4
L01	Mm.213003	NM_010851	Myd88	Myeloid differentiation primary response gene 88
L02	Mm.202727	NM_021524	Nampt	Nicotinamide phosphoribosyltransferase
L03	Mm.32584	NM_028728	Nfam1	Nfat activating molecule with ITAM motif 1
L04	Mm.383185	NM_010901	Nfatc3	Nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 3
L05	Mm.27908	NM_023699	Nfatc4	Nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4
L06	Mm.6743	NM_008686	Nfe2l1	Nuclear factor, erythroid derived 2,-like 1
L07	Mm.256765	NM_008689	Nfkb1	Nuclear factor of kappa light polypeptide gene enhancer in B-cells 1, p105
L08	Mm.238146	NM_172766	Nfrkb	Nuclear factor related to kappa B binding protein
L09	Mm.247456	NM_023739	Nfx1	Nuclear transcription factor, X-box binding 1
L10	Mm.277152	NM_001033431	Nlrp12	NLR family, pyrin domain containing 12
L11	Mm.7491	NM_019401	Nmi	N-myc (and STAT) interactor
L12	Mm.57195	NM_013611	Nodal	Nodal
L13	Mm.2893	NM_010927	Nos2	Nitric oxide synthase 2, inducible
L14	Mm.129481	NM_008173	Nr3c1	Nuclear receptor subfamily 3, group C, member 1
L15	Mm.153432	NM_178591	Nrg1	Neuregulin 1
L16	Mm.267570	NM_008742	Ntf3	Neurotrophin 3
L17	Mm.293626	NM_138648	Olr1	Oxidized low density lipoprotein (lectin-like) receptor 1
L18	Mm.131422	NM_001013365	Osm	Oncostatin M
L19	Mm.10760	NM_011019	Osmr	Oncostatin M receptor
L20	Mm.213013	NM_001145978	Parp4	Poly (ADP-ribose) polymerase family, member 4
L21	Mm.2675	NM_008808	Pdgfa	Platelet derived growth factor, alpha
L22	Mm.144089	NM_011057	Pdgfb	Platelet derived growth factor, B polypeptide
L23	Mm.331089	NM_019971	Pdgfc	Platelet-derived growth factor, C polypeptide
L24	Mm.332490	NM_019932	Pf4	Platelet factor 4
M01	Mm.21855	NM_009402	Pglyrp1	Peptidoglycan recognition protein 1
M02	Mm.71913	NM_011109	Pla2g2d	Phospholipase A2, group IID
M03	Mm.9277	NM_013737	Pla2g7	Phospholipase A2, group VII (platelet-activating factor acetylhydrolase, plasma)
M04	Mm.293614	NM_023785	Ppbp	Pro-platelet basic protein
M05	Mm.279782	NM_012021	Prdx5	Peroxiredoxin 5
M06	Mm.142727	NM_008920	Prg2	Proteoglycan 2, bone marrow
M07	Mm.19943	NM_016914	Prg3	Proteoglycan 3
M08	Mm.1270	NM_011164	Prl	Prolactin
M09	Mm.10516	NM_011169	Prlr	Prolactin receptor
M10	Mm.3243	NM_011171	Procr	Protein C receptor, endothelial
M11	Mm.87365	NM_015768	Prok2	Prokineticin 2
M12	Mm.89389	NM_001081211	Ptafr	Platelet-activating factor receptor
M13	Mm.292547	NM_011198	Ptgs2	Prostaglandin-endoperoxide synthase 2
M14	Mm.279690	NM_008973	Ptn	Pleiotrophin
M15	Mm.224246	NM_008980	Ptpra	Protein tyrosine phosphatase, receptor type, A
M16	Mm.276776	NM_008987	Ptx3	Pentraxin related gene
M17	Mm.21853	NM_008993	Pxmp2	Peroxisomal membrane protein 2
M18	Mm.2552	NM_011259	Reg3a	Regenerating islet-derived 3 alpha
M19	Mm.252385	NM_011260	Reg3g	Regenerating islet-derived 3 gamma
M20	Mm.112765	NM_138952	Ripk2	Receptor (TNFRSF)-interacting serine-threonine kinase 2
M21	Mm.280038	NM_016740	S100a11	S100 calcium binding protein A11 (calgizzarin)
M22	Mm.21567	NM_013650	S100a8	S100 calcium binding protein A8 (calgranulin A)
M23	Mm.235998	NM_009115	S100b	S100 protein, beta polypeptide, neural
M24	Mm.3489	NM_011316	Saa4	Serum amyloid A 4
N01	Mm.5038	NM_009129	Scg2	Secretogranin II
N02	Mm.40393	NM_022723	Scube1	Signal peptide, CUB domain, EGF-like 1
N03	Mm.247473	NM_016807	Sdcbp	Syndecan binding protein
N04	Mm.116986	NM_026907	Sectm1b	Secreted and transmembrane 1B
N05	Mm.5245	NM_011345	Sele	Selectin, endothelial cell
N06	Mm.439692	NM_009243	Serpina1a	Serine (or cysteine) peptidase inhibitor, clade A, member 1a
N07	Mm.482074	NM_009252	Serpina3n	Serine (or cysteine) peptidase inhibitor, clade A, member 3N
N08	Mm.279733	NM_008878	Serpinf2	Serine (or cysteine) peptidase inhibitor, clade F, member 2
N09	Mm.1321	NM_009160	Sftpd	Surfactant associated protein D
N10	Mm.38017	NM_023059	Sigirr	Single immunoglobulin and toll-interleukin 1 receptor (TIR) domain
N11	Mm.1374	NM_011426	Siglec1	Sialic acid binding Ig-like lectin 1, sialoadhesin
N12	Mm.289812	NM_013929	Siva1	SIVA1, apoptosis-inducing factor
N13	Mm.255586	NM_030687	Slco1a4	Solute carrier organic anion transporter family, member 1a4
N14	Mm.27630	NM_020519	Slurp1	Secreted Ly6/Plaur domain containing 1
N15	Mm.474283	NM_007706	Socs2	Suppressor of cytokine signaling 2
N16	Mm.26988	NM_029367	Spaca3	Sperm acrosome associated 3
N17	Mm.288474	NM_009263	Spp1	Secreted phosphoprotein 1
N18	Mm.245890	NM_033524	Spred1	Sprouty protein with EVH-1 domain 1, related sequence
N19	Mm.288698	NM_001081037	Srgap1	SLIT-ROBO Rho GTPase activating protein 1

Position	UniGene	GenBank	Symbol	Description
N20	Mm.220821	NM_138672	Stab1	Stabilin 1
N21	Mm.249934	NM_011486	Stat3	Signal transducer and activator of transcription 3
N22	Mm.375031	NM_011518	Sykb	Spleen tyrosine kinase
N23	Mm.8055	NM_009313	Tacr1	Tachykinin receptor 1
N24	Mm.3943	NM_009379	Thpo	Thrombopoietin
O01	Mm.23987	NM_054096	Tirap	Toll-interleukin 1 receptor (TIR) domain-containing adaptor protein
O02	Mm.273024	NM_030682	Tlr1	Toll-like receptor 1
O03	Mm.87596	NM_011905	Tlr2	Toll-like receptor 2
O04	Mm.33874	NM_126166	Tlr3	Toll-like receptor 3
O05	Mm.38049	NM_021297	Tlr4	Toll-like receptor 4
O06	Mm.116894	NM_016928	Tlr5	Toll-like receptor 5
O07	Mm.42146	NM_011604	Tlr6	Toll-like receptor 6
O08	Mm.23979	NM_133211	Tlr7	Toll-like receptor 7
O09	Mm.196676	NM_133212	Tlr8	Toll-like receptor 8
O10	Mm.44889	NM_031178	Tlr9	Toll-like receptor 9
O11	Mm.1293	NM_013693	Tnf	Tumor necrosis factor
O12	Mm.3509	NM_009398	Tnfaip6	Tumor necrosis factor alpha induced protein 6
O13	Mm.15383	NM_008764	Tnfrsf11b	Tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)
O14	Mm.1062	NM_009425	Tnfsf10	Tumor necrosis factor (ligand) superfamily, member 10
O15	Mm.249221	NM_011613	Tnfsf11	Tumor necrosis factor (ligand) superfamily, member 11
O16	Mm.8983	NM_023517	Tnfsf13	Tumor necrosis factor (ligand) superfamily, member 13
O17	Mm.28835	NM_033622	Tnfsf13b	Tumor necrosis factor (ligand) superfamily, member 13b
O18	Mm.483369	NM_019418	Tnfsf14	Tumor necrosis factor (ligand) superfamily, member 14
O19	Mm.208152	NM_177371	Tnfsf15	Tumor necrosis factor (ligand) superfamily, member 15
O20	Mm.276823	NM_183391	Tnfsf18	Tumor necrosis factor (ligand) superfamily, member 18
O21	Mm.4994	NM_009452	Tnfsf4	Tumor necrosis factor (ligand) superfamily, member 4
O22	Mm.4664	NM_009403	Tnfsf8	Tumor necrosis factor (ligand) superfamily, member 8
O23	Mm.41171	NM_009404	Tnfsf9	Tumor necrosis factor (ligand) superfamily, member 9
O24	Mm.103551	NM_023764	Tollip	Toll interacting protein
P01	Mm.332720	NM_013837	Tpst1	Protein-tyrosine sulfotransferase 1
P02	Mm.123366	NM_026508	Trap1	TNF receptor-associated protein 1
P03	Mm.373672	NM_011652	Ttn	Titin
P04	Mm.287977	NM_138302	Tymp	Thymidine phosphorylase
P05	Mm.282184	NM_009505	Vegfa	Vascular endothelial growth factor A
P06	Mm.15607	NM_011697	Vegfb	Vascular endothelial growth factor B
P07	Mm.263185	NM_013841	Vps45	Vacuolar protein sorting 45 (yeast)
P08	Mm.190	NM_008510	Xcl1	Chemokine (C motif) ligand 1
P09	Mm.390241	NM_011798	Xcr1	Chemokine (C motif) receptor 1
P10	Mm.145488	NM_134151	Yars	Tyrosyl-tRNA synthetase
P11	Mm.328431	NM_007393	Actb	Actin, beta
P12	Mm.163	NM_009735	B2m	Beta-2 microglobulin
P13	Mm.343110	NM_008084	Gapdh	Glyceraldehyde-3-phosphate dehydrogenase
P14	Mm.3317	NM_010368	Gusb	Glucuronidase, beta
P15	Mm.2180	NM_008302	Hsp90ab1	Heat shock protein 90 alpha (cytosolic), class B member 1
P16	N/A	SA_00106	MGDC	Mouse Genomic DNA Contamination
P17	N/A	SA_00106	MGDC	Mouse Genomic DNA Contamination
P18	N/A	SA_00106	MGDC	Mouse Genomic DNA Contamination
P19	N/A	SA_00104	RTC	Reverse Transcription Control
P20	N/A	SA_00104	RTC	Reverse Transcription Control
P21	N/A	SA_00104	RTC	Reverse Transcription Control
P22	N/A	SA_00103	PPC	Positive PCR Control
P23	N/A	SA_00103	PPC	Positive PCR Control
P24	N/A	SA_00103	PPC	Positive PCR Control

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For optimal performance, RT² Profiler PCR Arrays should be used together with the RT² First Strand Kit for cDNA synthesis and RT² SYBR® Green qPCR Mastermixes for PCR.

Product	Contents	Cat. no.
RT² First Strand Kit (12)	Enzymes and reagents for cDNA synthesis	330401
RT² SYBR Green qPCR Mastermix (8)*	For 4 x 384 assays in 384-well plates; suitable for use with real-time cyclers that do not require a reference dye, including: Bio-Rad model CFX384; Roche LightCycler 480 (384-well); all other cyclers	330501
RT² SYBR Green ROX™ qPCR Mastermix (8)*	For 4 x 384 assays in 384-well plates; suitable for use with the following real-time cyclers: Applied Biosystems models 7900HT, ViiA 7 (384-well blocks)	330521
RT² SYBR Green Fluor qPCR Mastermix (8)*	For 4 x 384 assays in 384-well plates; suitable for use with the following real-time cyclers: Bio-Rad models iCycler®, iQ™5, MyiQ™, MyiQ2	330511

* Larger kit sizes available; please inquire.

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