

QuantiNova® LNA® Probe PCR Focus Panels (96-Well Format and 384-Well [4 x 96] Format)

Mouse Th17 Response

Cat. no. 249955 UPMM-073ZA

For study focus gene expression analysis

Shipping and storage

QuantiNova LNA Probe PCR Focus Panels are shipped at room temperature. Immediately upon receipt, they should be stored protected from light at 2–8°C for short term storage or at –30°C to –15°C for long time storage. Under these conditions, all components are stable for at least 12 months.

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

For optimal performance, QuantiNova LNA Probe PCR Focus Panels should be used together with the QuantiNova Reverse Transcription Kit for cDNA synthesis and the QuantiNova Probe PCR Kit (Mastermix) for PCR.

Panel layout (96-well): QuantiNova LNA Probe PCR Focus Panel

For the 384-well (4 × 96) PCR panels, genes are present in a staggered format. Refer to the QuantiNova LNA Probe PCR Handbook at www.qiagen.com for further details.

	1	2	3	4	5	6	7	8	9	10	11	12
A	Ccl1	Ccl2	Ccl20	Ccl22	Ccl7	Ccr2	Ccr4	Ccr6	Cd2	Cd28	Cd34	Cd4
B	Cd40lg	Cd8a	Cebpb	Clec7a	Csf2	Csf3	Cx3cl1	Cxcl1	Cxcl12	Cxcl2	Cxcl5	Foxp3
C	Gata3	Icam1	Icos	Ifng	Il10	Il12b	Il12rb1	Il12rb2	Il13	Il15	Il17a	Il17c
D	Il17d	Il17f	Il17ra	Il17rb	Il17rc	Il17re	Il18	Il1b	Il1r1	Il2	Il21	Il22
E	Il23a	Il23r	Il25	Il27	Il3	Il4	Il5	Il6	Il6ra	Il7r	Il9	Irif4
F	Isg20	Jak1	Jak2	Mmp3	Mmp9	Myd88	Nfatc2	Nfkb1	Rora	Rorc	Runx1	S1pr1
G	Socs1	Socs3	Stat3	Stat4	Stat5a	Stat6	Syk	Tbx21	Tgfb1	Tir4	Tnf	Traf6
H	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	Q1C	Q1C	PPC	PPC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFM0970692	ENSMUST0000021043.4	Ccl1	ENSMUSG0000020702	chemokine (C-C motif) ligand 1 Source MGI Symbol Acc MGI 98258
A02	UPFM0945733	ENSMUST00000124479.1	Ccl2	ENSMUSG0000035385	chemokine (C-C motif) ligand 2 Source MGI Symbol Acc MGI 98259
A03	UPFM0751490	ENSMUST00000027351.12	Ccl20	ENSMUSG0000026166	chemokine (C-C motif) ligand 20 Source MGI Symbol Acc MGI 1329031
A04	UPFM0721025	ENSMUST00000034231.3	Ccl22	ENSMUSG0000031779	chemokine (C-C motif) ligand 22 Source MGI Symbol Acc MGI 1306779
A05	UPFM0936877	ENSMUST00000021011.2	Ccl7	ENSMUSG0000035373	chemokine (C-C motif) ligand 7 Source MGI Symbol Acc MGI 99512
A06	UPFM0643961	ENSMUST00000168841.2	Ccr2	ENSMUSG0000049103	chemokine (C-C motif) receptor 2 Source MGI Symbol Acc MGI 106185
A07	UPFM0921498	ENSMUST00000054414.4	Ccr4	ENSMUSG0000047898	chemokine (C-C motif) receptor 4 Source MGI Symbol Acc MGI 107824
A08	UPFM0896840	ENSMUST00000231340.1	Ccr6	ENSMUSG0000040899	chemokine (C-C motif) receptor 6 Source MGI Symbol Acc MGI 1333797
A09	UPFM0721200	ENSMUST00000152321.1	Cd2	ENSMUSG0000027863	CD2 antigen Source MGI Symbol Acc MGI 88320
A10	UPFM0736179	ENSMUST00000153207.1	Cd28	ENSMUSG0000026012	CD28 antigen Source MGI Symbol Acc MGI 88327
A11	UPFM0964810	ENSMUST00000194036.1	Cd34	ENSMUSG0000016494	CD34 antigen Source MGI Symbol Acc MGI 88329
A12	UPFM0755487	ENSMUST00000145818.1	Cd4	ENSMUSG0000023274	CD4 antigen Source MGI Symbol Acc MGI 88335
B01	UPFM0918360	ENSMUST00000033466.1	Cd40lg	ENSMUSG0000031132	CD40 ligand Source MGI Symbol Acc MGI 88337
B02	UPFM0783366	ENSMUST00000205054.1	Cd8a	ENSMUSG0000053977	CD8 antigen, alpha chain Source MGI Symbol Acc MGI 88346
B03	UPFM1172940	ENSMUST00000070642.3	Cebpb	ENSMUSG0000056501	CCAAT/enhancer binding protein (C/EBP), beta Source MGI Symbol Acc MGI 88373
B04	UPFM0639137	ENSMUST00000195589.5	Clec7a	ENSMUSG0000079293	C-type lectin domain family 7, member a Source MGI Symbol Acc MGI 1861431
B05	UPFM0640313	ENSMUST00000019060.5	Csf2	ENSMUSG0000018916	colony stimulating factor 2 (granulocyte-macrophage) Source MGI Symbol Acc MGI 1339752
B06	UPFM0893043	ENSMUST00000038886.2	Csf3	ENSMUSG0000038067	colony stimulating factor 3 (granulocyte) Source MGI Symbol Acc MGI 1339751
B07	UPFM0694553	ENSMUST00000150307.1	Cx3cl1	ENSMUSG0000031778	chemokine (C-X3-C motif) ligand 1 Source MGI Symbol Acc MGI 1097153
B08	UPFM0974489	ENSMUST00000031327.8	Cxcl1	ENSMUSG0000029380	chemokine (C-X-C motif) ligand 1 Source MGI Symbol Acc MGI 108068
B09	UPFM0841368	ENSMUST00000112871.7	Cxcl12	ENSMUSG0000061353	chemokine (C-X-C motif) ligand 12 Source MGI Symbol Acc MGI 103556
B10	UPFM0673240	ENSMUST00000200919.1	Cxcl2	ENSMUSG0000058427	chemokine (C-X-C motif) ligand 2 Source MGI Symbol Acc MGI 1340094
B11	UPFM0975097	ENSMUST00000031318.5	Cxcl5	ENSMUSG0000029371	chemokine (C-X-C motif) ligand 5 Source MGI Symbol Acc MGI 1096868
B12	UPFM0729702	ENSMUST00000234479.1	Foxp3	ENSMUSG0000039521	forkhead box P3 Source MGI Symbol Acc MGI 1891436
C01	UPFM0703910	ENSMUST00000151456.1	Gata3	ENSMUSG0000015619	GATA binding protein 3 Source MGI Symbol Acc MGI 95663
C02	UPFM0843264	ENSMUST00000215003.1	Icam1	ENSMUSG0000037405	intercellular adhesion molecule 1 Source MGI Symbol Acc MGI 96392
C03	UPFM0963119	ENSMUST00000102827.3	Icos	ENSMUSG0000026009	inducible T cell co-stimulator Source MGI Symbol Acc MGI 1858745
C04	UPFM1172950	ENSMUST00000068592.4	Ifng	ENSMUSG0000055170	interferon gamma Source MGI Symbol Acc MGI 107656
C05	UPFM1172951	ENSMUST00000016673.5	Il10	ENSMUSG0000016529	interleukin 10 Source MGI Symbol Acc MGI 96537
C06	UPFM0785020	ENSMUST00000170513.2	Il12b	ENSMUSG0000004296	interleukin 12b Source MGI Symbol Acc MGI 96540
C07	UPFM0677493	ENSMUST00000000808.7	Il12rb1	ENSMUSG0000000791	interleukin 12 receptor, beta 1 Source MGI Symbol Acc MGI 104579
C08	UPFM0713251	ENSMUST00000117441.7	Il12rb2	ENSMUSG0000018341	interleukin 12 receptor, beta 2 Source MGI Symbol Acc MGI 1270861
C09	UPFM1172952	ENSMUST00000020650.1	Il13	ENSMUSG0000020383	interleukin 13 Source MGI Symbol Acc MGI 96541
C10	UPFM0906756	ENSMUST00000209687.1	Il15	ENSMUSG0000031712	interleukin 15 Source MGI Symbol Acc MGI 103014
	UPFM088181	ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	5	027061.4	Il17a	ENSMUSG000025929	interleukin 17A Source MGI Symbol Acc MGI 107364
C12	UPFM0997245	ENSMUST0000050963.3	Il17c	ENSMUSG0000046108	interleukin 17C Source MGI Symbol Acc MGI 2446486
D01	UPFM0850919	ENSMUST00000089494.5	Il17d	ENSMUSG0000050222	interleukin 17D Source MGI Symbol Acc MGI 2446510
D02	UPFM0915133	ENSMUST00000191111.1	Il17f	ENSMUSG0000041872	interleukin 17F Source MGI Symbol Acc MGI 2676631
D03	UPFM0719358	ENSMUST00000204078.1	Il17ra	ENSMUSG0000002897	interleukin 17 receptor A Source MGI Symbol Acc MGI 107399
D04	UPFM0848243	ENSMUST00000136726.1	Il17rb	ENSMUSG0000015966	interleukin 17 receptor B Source MGI Symbol Acc MGI 1355292
D05	UPFM0623454	ENSMUST00000058300.13	Il17rc	ENSMUSG0000030281	interleukin 17 receptor C Source MGI Symbol Acc MGI 2159336
D06	UPFM0624036	ENSMUST00000058548.13	Il17re	ENSMUSG0000043088	interleukin 17 receptor E Source MGI Symbol Acc MGI 1889371
D07	UPFM0939430	ENSMUST00000180021.1	Il18	ENSMUSG0000039217	interleukin 18 Source MGI Symbol Acc MGI 107936
D08	UPFM0671281	ENSMUST00000155994.1	Il1b	ENSMUSG0000027398	interleukin 1 beta Source MGI Symbol Acc MGI 96543
D09	UPFM0703199	ENSMUST00000114795.2	Il1r1	ENSMUSG0000026072	interleukin 1 receptor, type I Source MGI Symbol Acc MGI 96545
D10	UPFM0822229	ENSMUST00000029275.5	Il2	ENSMUSG0000027720	interleukin 2 Source MGI Symbol Acc MGI 96548
D11	UPFM1172953	ENSMUST00000029273.7	Il21	ENSMUSG0000027718	interleukin 21 Source MGI Symbol Acc MGI 1890474
D12	UPFM0962132	ENSMUST00000096691.4	Il22	ENSMUSG0000074695	interleukin 22 Source MGI Symbol Acc MGI 1355307
E01	UPFM1172954	ENSMUST00000026449.2	Il23a	ENSMUSG0000025383	interleukin 23, alpha subunit p19 Source MGI Symbol Acc MGI 1932410
E02	UPFM0623382	ENSMUST00000118364.1	Il23r	ENSMUSG0000049093	interleukin 23 receptor Source MGI Symbol Acc MGI 2181693
E03	UPFM0849274	ENSMUST00000037863.5	Il25	ENSMUSG0000040770	interleukin 25 Source MGI Symbol Acc MGI 2155888
E04	UPFM1172955	ENSMUST00000058429.5	Il27	ENSMUSG0000044701	interleukin 27 Source MGI Symbol Acc MGI 2384409
E05	UPFM0845916	ENSMUST00000019058.5	Il3	ENSMUSG0000018914	interleukin 3 Source MGI Symbol Acc MGI 96552
E06	UPFM0959251	ENSMUST00000150568.7	Il4	ENSMUSG000000869	interleukin 4 Source MGI Symbol Acc MGI 96556
E07	UPFM0664979	ENSMUST00000048605.2	Il5	ENSMUSG0000036117	interleukin 5 Source MGI Symbol Acc MGI 96557
E08	UPFM0729099	ENSMUST000000195978.4	Il6	ENSMUSG0000025746	interleukin 6 Source MGI Symbol Acc MGI 96559
E09	UPFM1000177	ENSMUST00000029559.6	Il6ra	ENSMUSG0000027947	interleukin 6 receptor, alpha Source MGI Symbol Acc MGI 105304
E10	UPFM0838873	ENSMUST000000228782.1	Il7r	ENSMUSG0000003882	interleukin 7 receptor Source MGI Symbol Acc MGI 96562
E11	UPFM0997149	ENSMUST00000022019.3	Il9	ENSMUSG0000021538	interleukin 9 Source MGI Symbol Acc MGI 96563
E12	UPFM0736498	ENSMUST000000110307.2	Irf4	ENSMUSG0000021356	interferon regulatory factor 4 Source MGI Symbol Acc MGI 1096873
F01	UPFM0996477	ENSMUST000000118867.7	Isg20	ENSMUSG0000039236	interferon-stimulated protein Source MGI Symbol Acc MGI 1928895
F02	UPFM0734434	ENSMUST000000155328.7	Jak1	ENSMUSG0000028530	Janus kinase 1 Source MGI Symbol Acc MGI 96628
F03	UPFM0748313	ENSMUST000000065796.9	Jak2	ENSMUSG0000024789	Janus kinase 2 Source MGI Symbol Acc MGI 96629
F04	UPFM0791258	ENSMUST000000034497.7	Mmp3	ENSMUSG0000043613	matrix metallopeptidase 3 Source MGI Symbol Acc MGI 97010
F05	UPFM0799308	ENSMUST000000017881.2	Mmp9	ENSMUSG0000017737	matrix metallopeptidase 9 Source MGI Symbol Acc MGI 97011
F06	UPFM1172958	ENSMUST000000035092.6	Myd88	ENSMUSG0000032508	myeloid differentiation primary response gene 88 Source MGI Symbol Acc MGI 108005
F07	UPFM0805682	ENSMUST000000099067.9	Nfatc2	ENSMUSG0000027544	nuclear factor of activated T cells, cytoplasmic, calcineurin dependent 2 Source MGI Symbol Acc MGI 102463
F08	UPFM0987587	ENSMUST000000029812.13	Nfkb1	ENSMUSG0000028163	nuclear factor of kappa light polypeptide gene enhancer in B cells 1, p105 Source MGI Symbol Acc MGI 97312
F09	UPFM0802741	ENSMUST000000174296.1	Rora	ENSMUSG0000032238	RAR-related orphan receptor alpha Source MGI Symbol Acc MGI 104661
F10	UPFM0922674	ENSMUST000000198793.1	Rorc	ENSMUSG0000028150	RAR-related orphan receptor gamma Source MGI Symbol Acc MGI 104856

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM072805 9	ENSMUST00000 113956.9	Runx1	ENSMUSG00 000022952	runt related transcription factor 1 Source MGI Symbol Acc MGI 99852
F12	UPFM085771 8	ENSMUST00000 055676.3	S1pr1	ENSMUSG00 000045092	sphingosine-1-phosphate receptor 1 Source MGI Symbol Acc MGI 1096355
G01	UPFM065177 1	ENSMUST00000 229866.1	Socs1	ENSMUSG00 000038037	suppressor of cytokine signaling 1 Source MGI Symbol Acc MGI 1354910
G02	UPFM069413 9	ENSMUST00000 054002.3	Socs3	ENSMUSG00 000053113	suppressor of cytokine signaling 3 Source MGI Symbol Acc MGI 1201791
G03	UPFM098484 5	ENSMUST00000 092671.11	Stat3	ENSMUSG00 000004040	signal transducer and activator of transcription 3 Source MGI Symbol Acc MGI 103038
G04	UPFM062533 9	ENSMUST00000 168302.7	Stat4	ENSMUSG00 000062939	signal transducer and activator of transcription 4 Source MGI Symbol Acc MGI 103062
G05	UPFM096618 6	ENSMUST00000 138083.7	Stat5a	ENSMUSG00 000004043	signal transducer and activator of transcription 5A Source MGI Symbol Acc MGI 103036
G06	UPFM075580 6	ENSMUST00000 092074.11	Stat6	ENSMUSG00 000002147	signal transducer and activator of transcription 6 Source MGI Symbol Acc MGI 103034
G07	UPFM087743 5	ENSMUST00000 118756.7	Syk	ENSMUSG00 000021457	spleen tyrosine kinase Source MGI Symbol Acc MGI 99515
G08	UPFM101162 2	ENSMUST00000 001484.2	Tbx21	ENSMUSG00 000001444	T-box 21 Source MGI Symbol Acc MGI 1888984
G09	UPFM066688 0	ENSMUST00000 171757.1	Tgfb1	ENSMUSG00 000002603	transforming growth factor, beta 1 Source MGI Symbol Acc MGI 98725
G10	UPFM075034 5	ENSMUST00000 107365.2	Tlr4	ENSMUSG00 000039005	toll-like receptor 4 Source MGI Symbol Acc MGI 96824
G11	UPFM063847 1	ENSMUST00000 025263.14	Tnf	ENSMUSG00 000024401	tumor necrosis factor Source MGI Symbol Acc MGI 104798
G12	UPFM076055 2	ENSMUST00000 144063.1	Traf6	ENSMUSG00 000027164	TNF receptor-associated factor 6 Source MGI Symbol Acc MGI 108072
H01	UPFM113294 6	ENSMUST00000 163829.1	Actb	ENSMUSG00 000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	UPFM113294 7	ENSMUST00000 102476.4	B2m	ENSMUSG00 000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	UPFM113294 8	ENSMUST00000 117757.8	Gapdh	ENSMUSG00 000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	UPFM113294 9	ENSMUST00000 026613.13	Gusb	ENSMUSG00 000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	UPFM113295 0	ENSMUST00000 166469.7	Hsp90ab1	ENSMUSG00 000023944	heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol Acc MGI 96247
H06	UPFM112660 9	UPL_MGDC	MGDC	UPL_MGDC	Mouse Genomic DNA Contamination
H07	UPFH1126606	UPL_QIC	QIC	UPL_QIC	QuantiNova Internal Control
H08	UPFH1126606	UPL_QIC	QIC	UPL_QIC	QuantiNova Internal Control
H09	UPFH1126606	UPL_QIC	QIC	UPL_QIC	QuantiNova Internal Control
H10	UPFH1126605	UPL_PPC	PPC	UPL_PPC	Positive PCR Control
H11	UPFH1126605	UPL_PPC	PPC	UPL_PPC	Positive PCR Control
H12	UPFH1126605	UPL_PPC	PPC	UPL_PPC	Positive PCR Control



Related products

Product	Contents	Cat. no.
QuantiNova LNA Probe PCR QC Panel	These panels are designed to assess the quality of RNA samples before characterization using QuantiNova LNA Probe PCR Focus Panels; available in 96-well, 384-well, and Rotor-Disc 100 formats	249945
QuantiNova Reverse Transcription Kit (10)*	For 10 x 20 µl reactions: 20 µl 8x gDNA Removal Mix, 10 µl Reverse Transcription Enzyme, 40 µl Reverse Transcription Mix (containing RT primers), 20 µl Internal Control RNA, 1.9 ml RNase-Free Water	205410
QuantiNova Probe RT-PCR Kit (100)*	For 100 x 20 µl reactions: 1 ml QuantiNova Probe RT-PCR Master Mix, 20 µl QuantiNova Probe RT Mix, 20 µl Internal Control RNA, 500 µl Yellow Template Dilution Buffer, 250 µl ROX Reference Dye, 1.9 µl RNase-Free Water	208352
QuantiNova Probe PCR Kit (100)*	For 100 x 20 µl reactions: 1 ml 2x QuantiNova Probe PCR Master Mix, 500 µl QuantiNova Yellow Template Dilution Buffer, 250 µl QN ROX Reference Dye, 1.9 ml Water	208252

*Larger kit sizes available.

The QuantiNova LNA Probe PCR Focus Panels are intended for molecular biology applications. These products are not intended for the diagnosis, prevention or treatment of a disease.

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