

QuantiNova® LNA® PCR Focus Panels (Rotor-Gene® Format)

Mouse Inflammatory Response & Autoimmunity

Cat. no. 249950 SBMM-077ZR

For study focus gene expression analysis

Shipping and storage

QuantiNova LNA PCR Focus Panels are shipped at ambient temperature. Immediately upon receipt, they should be stored 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 PCR Focus Panels should be used together with the QuantiNova Reverse Transcription Kit for cDNA synthesis and the QuantiNova SYBR® Green PCR Kit (Mastermix) for PCR.

Panel layout (Rotor-Gene): QuantiNova LNA PCR Focus Panel

The 96 real-time assays in the Rotor-Gene format are located in wells 1–96 of the Rotor-Disc® (plate A1–A12=Rotor-Disc 1–12, plate B1–B12=Rotor-Disc 13–24, etc.). To maintain data analysis compatibility, wells 97–100 do not contain real-time assays but will contain master mix to account for weight balance. Refer to the QuantiNova LNA PCR System Handbook at www.qiagen.com for further details.

	1	2	3	4	5	6	7	8	9	10	11	12
A	Bcl6	C3	C3ar1	C4b	Cd1	Cd11	Ccl12	Cd17	Cd19	Ccl2	Ccl20	Ccl22
B	Ccl24	Ccl25	Ccl3	Ccl4	Ccl5	Ccl7	Ccl8	Ccr1	Ccr2	Ccr3	Ccr4	Ccr7
C	Cd14	Cd40	Cd40lg	Cebpb	Crp	Csf1	Cxcl1	Cxcl10	Cxcl11	Cxcl2	Cxcl3	Cxcl5
D	Cxcl9	Cxcr1	Cxcr2	Cxcr4	Fosl	Fos	Ilng	Il10	Il10rb	Il17a	Il18	Il1a
E	Il1b	Il1r1	Il1rap	Il1rn	Il22	Il23a	Il23r	Il5	Il6	Il6ra	Il7	Il9
F	Ilgb2	King1	Lta	Ltb	Ly96	Myd88	Nfkb1	Nos2	Nr3c1	Ptgs2	Ripk2	Sele
G	Tirap	Tlr1	Tlr2	Tlr3	Tlr4	Tlr5	Tlr6	Tlr7	Tlr9	Tnf	Tnfsf14	Tollip
H	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	SBM1068298	ENSMUST0000023151.5	Bcl6	ENSMUSG0000022508	B cell leukemia/lymphoma 6 Source MGI Symbol Acc MGI 107187
A02	SBM0754550	ENSMUST0000024988.14	C3	ENSMUSG0000024164	complement component 3 Source MGI Symbol Acc MGI 88227
A03	SBM0734448	ENSMUST0000042081.8	C3ar1	ENSMUSG0000040552	complement component 3a receptor 1 Source MGI Symbol Acc MGI 1097680
A04	SBM0712323	ENSMUST00000173057.1	C4b	ENSMUSG0000073418	complement component 4B (Chido blood group) Source MGI Symbol Acc MGI 88228
A05	SBM0725984	ENSMUST00000108189.8	Ccl1	ENSMUSG0000020702	chemokine (C-C motif) ligand 1 Source MGI Symbol Acc MGI 98258
A06	SBM0757192	ENSMUST0000000342.2	Ccl11	ENSMUSG0000020676	chemokine (C-C motif) ligand 11 Source MGI Symbol Acc MGI 103576
A07	SBM0687223	ENSMUST0000000194.3	Ccl12	ENSMUSG0000035352	chemokine (C-C motif) ligand 12 Source MGI Symbol Acc MGI 108224
A08	SBM0699395	ENSMUST00000034232.2	Ccl17	ENSMUSG0000031780	chemokine (C-C motif) ligand 17 Source MGI Symbol Acc MGI 1329039
A09	SBM1085373	ENSMUST00000102957.5	Ccl19	ENSMUSG0000071005	chemokine (C-C motif) ligand 19 Source MGI Symbol Acc MGI 1346316
A10	SBM0836747	ENSMUST0000000193.5	Ccl2	ENSMUSG0000035385	chemokine (C-C motif) ligand 2 Source MGI Symbol Acc MGI 98259
A11	SBM1058215	ENSMUST00000113437.8	Ccl20	ENSMUSG0000026166	chemokine (C-C motif) ligand 20 Source MGI Symbol Acc MGI 1329031
A12	SBM0685855	ENSMUST00000034231.3	Ccl22	ENSMUSG0000031779	chemokine (C-C motif) ligand 22 Source MGI Symbol Acc MGI 1306779
B01	SBM0867136	ENSMUST0000004936.9	Ccl24	ENSMUSG0000004814	chemokine (C-C motif) ligand 24 Source MGI Symbol Acc MGI 1928953
B02	SBM0940693	ENSMUST00000155797.7	Ccl25	ENSMUSG0000023235	chemokine (C-C motif) ligand 25 Source MGI Symbol Acc MGI 1099448
B03	SBM0794563	ENSMUST0000001008.5	Ccl3	ENSMUSG0000000982	chemokine (C-C motif) ligand 3 Source MGI Symbol Acc MGI 98260
B04	SBM0939661	ENSMUST00000019074.3	Ccl4	ENSMUSG0000018930	chemokine (C-C motif) ligand 4 Source MGI Symbol Acc MGI 98261
B05	SBM0703029	ENSMUST00000125015.1	Ccl5	ENSMUSG0000035042	chemokine (C-C motif) ligand 5 Source MGI Symbol Acc MGI 98262
B06	SBM0998844	ENSMUST00000021011.2	Ccl7	ENSMUSG0000035373	chemokine (C-C motif) ligand 7 Source MGI Symbol Acc MGI 99512
B07	SBM1067489	ENSMUST00000009329.2	Ccl8	ENSMUSG0000009185	chemokine (C-C motif) ligand 8 Source MGI Symbol Acc MGI 101878
B08	SBM1015405	ENSMUST00000026911.5	Ccr1	ENSMUSG0000025804	chemokine (C-C motif) receptor 1 Source MGI Symbol Acc MGI 104618
B09	SBM0796638	ENSMUST00000168841.2	Ccr2	ENSMUSG0000049103	chemokine (C-C motif) receptor 2 Source MGI Symbol Acc MGI 106185
B10	SBM1022292	ENSMUST00000039171.8	Ccr3	ENSMUSG0000035448	chemokine (C-C motif) receptor 3 Source MGI Symbol Acc MGI 104616
B11	SBM0824531	ENSMUST00000054414.4	Ccr4	ENSMUSG0000047898	chemokine (C-C motif) receptor 4 Source MGI Symbol Acc MGI 107824
B12	SBM0681617	ENSMUST00000103134.3	Ccr7	ENSMUSG0000037944	chemokine (C-C motif) receptor 7 Source MGI Symbol Acc MGI 103011
C01	SBM0904854	ENSMUST00000061829.7	Cd14	ENSMUSG0000051439	CD14 antigen Source MGI Symbol Acc MGI 88318
C02	SBM0757957	ENSMUST00000073707.8	Cd40	ENSMUSG0000017652	CD40 antigen Source MGI Symbol Acc MGI 88336
C03	SBM0708134	ENSMUST00000033466.1	Cd40lg	ENSMUSG0000031132	CD40 ligand Source MGI Symbol Acc MGI 88337
C04	SBM0682459	ENSMUST00000070642.3	Cebpb	ENSMUSG0000056501	CCAAT/enhancer binding protein (C/EBP), beta Source MGI Symbol Acc MGI 88373
C05	SBM0905444	ENSMUST00000194251.1	Crp	ENSMUSG0000037942	C-reactive protein, pentraxin-related Source MGI Symbol Acc MGI 88512
C06	SBM0903322	ENSMUST00000155557.1	Csf1	ENSMUSG0000014599	colony stimulating factor 1 (macrophage) Source MGI Symbol Acc MGI 1339753
C07	SBM0998835	ENSMUST00000031327.8	Cxcl1	ENSMUSG0000029380	chemokine (C-X-C motif) ligand 1 Source MGI Symbol Acc MGI 108068
C08	SBM0996179	ENSMUST00000118006.2	Cxcl10	ENSMUSG0000034855	chemokine (C-X-C motif) ligand 10 Source MGI Symbol Acc MGI 1352450
C09	SBM0710486	ENSMUST00000122808.1	Cxcl11	ENSMUSG0000060183	chemokine (C-X-C motif) ligand 11 Source MGI Symbol Acc MGI 1860203
C10	SBM0694289	ENSMUST00000075433.7	Cxcl2	ENSMUSG0000058427	chemokine (C-X-C motif) ligand 2 Source MGI Symbol Acc MGI 1340094
		ENSMUST000000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	SBM0747228	201840.1	Cxcl3	000029379	chemokine (C-X-C motif) ligand 3 Source MGI Symbol Acc MGI 3037818
C12	SBM0760625	ENSMUST00000202380.1	Cxcl5	ENSMUSG0000029371	chemokine (C-X-C motif) ligand 5 Source MGI Symbol Acc MGI 1096868
D01	SBM0993686	ENSMUST00000113093.4	Cxcl9	ENSMUSG00000029417	chemokine (C-X-C motif) ligand 9 Source MGI Symbol Acc MGI 1352449
D02	SBM1001723	ENSMUST00000190313.1	Cxcr1	ENSMUSG00000048480	chemokine (C-X-C motif) receptor 1 Source MGI Symbol Acc MGI 2448715
D03	SBM0963144	ENSMUST00000106899.3	Cxcr2	ENSMUSG00000026180	chemokine (C-X-C motif) receptor 2 Source MGI Symbol Acc MGI 105303
D04	SBM0923037	ENSMUST00000052172.6	Cxcr4	ENSMUSG00000045382	chemokine (C-X-C motif) receptor 4 Source MGI Symbol Acc MGI 109563
D05	SBM0967876	ENSMUST00000000834.3	Fasl	ENSMUSG00000000817	Fas ligand (TNF superfamily, member 6) Source MGI Symbol Acc MGI 99255
D06	SBM0977461	ENSMUST00000134311.1	Fos	ENSMUSG00000021250	FBJ osteosarcoma oncogene Source MGI Symbol Acc MGI 95574
D07	SBM0903694	ENSMUST00000068592.4	Irfng	ENSMUSG00000055170	interferon gamma Source MGI Symbol Acc MGI 107656
D08	SBM1004151	ENSMUST00000016673.5	Il10	ENSMUSG00000016529	interleukin 10 Source MGI Symbol Acc MGI 96537
D09	SBM0883363	ENSMUST00000156133.7	Il10rb	ENSMUSG00000022969	interleukin 10 receptor, beta Source MGI Symbol Acc MGI 109380
D10	SBM1055424	ENSMUST00000027061.4	Il17a	ENSMUSG00000025929	interleukin 17A Source MGI Symbol Acc MGI 107364
D11	SBM0953194	ENSMUST00000180021.1	Il18	ENSMUSG00000039217	interleukin 18 Source MGI Symbol Acc MGI 107936
D12	SBM1007460	ENSMUST00000028882.1	Il1a	ENSMUSG00000027399	interleukin 1 alpha Source MGI Symbol Acc MGI 96542
E01	SBM0738485	ENSMUST00000028881.13	Il1b	ENSMUSG00000027398	interleukin 1 beta Source MGI Symbol Acc MGI 96543
E02	SBM1086348	ENSMUST00000027241.10	Il1r1	ENSMUSG00000026072	interleukin 1 receptor, type I Source MGI Symbol Acc MGI 96545
E03	SBM1043673	ENSMUST00000174202.7	Il1rap	ENSMUSG00000022514	interleukin 1 receptor accessory protein Source MGI Symbol Acc MGI 104975
E04	SBM0732530	ENSMUST00000142093.6	Il1rn	ENSMUSG00000026981	interleukin 1 receptor antagonist Source MGI Symbol Acc MGI 96547
E05	SBM0998851	ENSMUST00000096691.4	Il22	ENSMUSG00000074695	interleukin 22 Source MGI Symbol Acc MGI 1355307
E06	SBM0691721	ENSMUST00000218109.1	Il23a	ENSMUSG00000025383	interleukin 23, alpha subunit p19 Source MGI Symbol Acc MGI 1932410
E07	SBM0693815	ENSMUST00000118364.1	Il23r	ENSMUSG00000049093	interleukin 23 receptor Source MGI Symbol Acc MGI 2181693
E08	SBM1034588	ENSMUST00000048605.2	Il5	ENSMUSG00000036117	interleukin 5 Source MGI Symbol Acc MGI 96557
E09	SBM0742623	ENSMUST00000026845.11	Il6	ENSMUSG00000025746	interleukin 6 Source MGI Symbol Acc MGI 96559
E10	SBM0834938	ENSMUST00000197679.4	Il6ra	ENSMUSG00000027947	interleukin 6 receptor, alpha Source MGI Symbol Acc MGI 105304
E11	SBM1037504	ENSMUST00000168269.7	Il7	ENSMUSG00000040329	interleukin 7 Source MGI Symbol Acc MGI 96561
E12	SBM0847018	ENSMUST00000022019.3	Il9	ENSMUSG00000021538	interleukin 9 Source MGI Symbol Acc MGI 96563
F01	SBM0947975	ENSMUST00000131023.7	Itgb2	ENSMUSG00000000290	integrin beta 2 Source MGI Symbol Acc MGI 96611
F02	SBM0942346	ENSMUST00000023589.14	Kng1	ENSMUSG00000022875	kininogen 1 Source MGI Symbol Acc MGI 1097705
F03	SBM0790437	ENSMUST00000025266.5	Lta	ENSMUSG00000024402	lymphotoxin A Source MGI Symbol Acc MGI 104797
F04	SBM0777783	ENSMUST00000173510.1	Ltb	ENSMUSG00000024399	lymphotoxin B Source MGI Symbol Acc MGI 104796
F05	SBM0966348	ENSMUST00000191260.1	Ly96	ENSMUSG00000025779	lymphocyte antigen 96 Source MGI Symbol Acc MGI 1341909
F06	SBM0986804	ENSMUST00000035092.6	Myd88	ENSMUSG00000032508	myeloid differentiation primary response gene 88 Source MGI Symbol Acc MGI 108005
F07	SBM0841870	ENSMUST00000164430.6	Nfkb1	ENSMUSG00000028163	nuclear factor of kappa light polypeptide gene enhancer in B cells 1, p105 Source MGI Symbol Acc MGI 97312
F08	SBM0835086	ENSMUST00000208783.1	Nos2	ENSMUSG00000020826	nitric oxide synthase 2, inducible Source MGI Symbol Acc MGI 97361
F09	SBM0963014	ENSMUST00000115571.7	Nr3c1	ENSMUSG00000024431	nuclear receptor subfamily 3, group C, member 1 Source MGI Symbol Acc MGI 95824
F10	SBM0782881	ENSMUST00000035065.8	Ptgs2	ENSMUSG00000032487	prostaglandin-endoperoxide synthase 2 Source MGI Symbol Acc MGI 97798

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	SBM0781529	ENSMUST00000037035.11	Ripk2	ENSMUSG0000041135	receptor (TNFRSF)-interacting serine-threonine kinase 2 Source MGI Symbol Acc MGI 1891456
F12	SBM0765795	ENSMUST00000027874.5	Sele	ENSMUSG0000026582	selectin, endothelial cell Source MGI Symbol Acc MGI 98278
G01	SBM1225397	ENSMUST00000177129.7	Tirap	ENSMUSG0000032041	toll-interleukin 1 receptor (TIR) domain-containing adaptor protein Source MGI Symbol Acc MGI 2152213
G02	SBM0864936	ENSMUST00000059349.5	Tlr1	ENSMUSG0000044827	toll-like receptor 1 Source MGI Symbol Acc MGI 1341295
G03	SBM0974490	ENSMUST00000029623.10	Tlr2	ENSMUSG0000027995	toll-like receptor 2 Source MGI Symbol Acc MGI 1346060
G04	SBM0964228	ENSMUST00000209772.1	Tlr3	ENSMUSG0000031639	toll-like receptor 3 Source MGI Symbol Acc MGI 2156367
G05	SBM0745293	ENSMUST00000107365.2	Tlr4	ENSMUSG0000039005	toll-like receptor 4 Source MGI Symbol Acc MGI 96824
G06	SBM0677822	ENSMUST00000191820.1	Tlr5	ENSMUSG0000079164	toll-like receptor 5 Source MGI Symbol Acc MGI 1858171
G07	SBM0968629	ENSMUST00000201307.1	Tlr6	ENSMUSG0000051498	toll-like receptor 6 Source MGI Symbol Acc MGI 1341296
G08	SBM0901291	ENSMUST00000112164.1	Tlr7	ENSMUSG0000044583	toll-like receptor 7 Source MGI Symbol Acc MGI 2176882
G09	SBM0973468	ENSMUST00000062241.10	Tlr9	ENSMUSG0000045322	toll-like receptor 9 Source MGI Symbol Acc MGI 1932389
G10	SBM0788439	ENSMUST00000025263.14	Tnf	ENSMUSG0000024401	tumor necrosis factor Source MGI Symbol Acc MGI 104798
G11	SBM0681467	ENSMUST00000005976.7	Tnfsf14	ENSMUSG0000005824	tumor necrosis factor (ligand) superfamily, member 14 Source MGI Symbol Acc MGI 1355317
G12	SBM0724694	ENSMUST00000151890.2	Tollip	ENSMUSG0000025139	toll interacting protein Source MGI Symbol Acc MGI 1891808
H01	SBM1220560	ENSMUST00000100497.10	Actb	ENSMUSG0000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	SBM0675336	ENSMUST00000102476.4	B2m	ENSMUSG0000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	SBM1220562	ENSMUST00000117757.8	Gapdh	ENSMUSG0000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	SBM1220563	ENSMUST00000026613.13	Gusb	ENSMUSG0000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	SBM1220564	ENSMUST00000166469.7	Hsp90ab1	ENSMUSG0000023944	heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol Acc MGI 96247
H06	SBM1218554	Sybr_MGDC	MGDC	Sybr_MGDC	Mouse Genomic DNA Contamination
H07	SBH1218551	Sybr_QIC	QIC	Sybr_QIC	QuantiNova Internal Control
H08	SBH1218551	Sybr_QIC	QIC	Sybr_QIC	QuantiNova Internal Control
H09	SBH1218551	Sybr_QIC	QIC	Sybr_QIC	QuantiNova Internal Control
H10	SBH1218550	Sybr_PPC	PPC	Sybr_PPC	Positive PCR Control
H11	SBH1218550	Sybr_PPC	PPC	Sybr_PPC	Positive PCR Control
H12	SBH1218550	Sybr_PPC	PPC	Sybr_PPC	Positive PCR Control



Related products

Product	Contents	Cat. no.
QuantiNova LNA PCR QC Panel	These panels are designed to assess the quality of RNA samples before characterization using QuantiNova LNA PCR Focus Panels; available in 96-well, 384-well, and Rotor-Disc 100 formats	249940
QuantiNova Reverse Transcription Kit (10)*	For 10 x 20 μ l reactions: 20 μ l 8x gDNA Removal Mix, 10 μ l Reverse Transcription Enzyme, 40 μ l Reverse Transcription Mix (containing RT primers), 20 μ l Internal Control RNA, 1.9 ml RNase-Free Water	205410
QuantiNova SYBR Green RT-PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml QuantiNova SYBR Green RT-PCR Master Mix, 20 μ l QuantiNova SYBR Green RT Mix, 20 μ l Internal Control RNA, 500 μ l Yellow Template Dilution Buffer, 250 μ l ROX Reference Dye, 1.9 μ l RNase-Free Water	208152
QuantiNova SYBR Green PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml 2x QuantiNova SYBR Green PCR Master Mix, 500 μ l QuantiNova Yellow Template Dilution Buffer, 250 μ l QN ROX Reference Dye, 1.9 ml Water	208052

*Larger kit sizes available.

The QuantiNova LNA 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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