

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

Mouse Cell Surface Markers

Cat. no. 249955 UPMM-055ZR

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 (Rotor-Gene): QuantiNova LNA Probe 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 Probe PCR Handbook at www.qiagen.com for further details.

	1	2	3	4	5	6	7	8	9	10	11	12
A	Alcam	C5ar1	Cd160	Cd163	Cd19	Cd1d1	Cd1d2	Cd2	Cd200r1	Cd209a	Cd22	Cd244a
B	Cd247	Cd24a	Cd276	Cd28	Cd34	Cd37	Cd38	Cd3d	Cd3g	Cd4	Cd40	Cd40lg
C	Cd5	Cd6	Cd63	Cd69	Cd7	Cd70	Cd72	Cd74	Cd79a	Cd79b	Cd80	Cd83
D	Cd86	Cd8a	Cd8b1	Cd96	Chst10	Col1a1	Col1a2	Cr2	Csf1r	Ctla4	Dpp4	Eng
E	Epcam	Fas	Fcer1a	Fcer2a	Fcgr1	H2-Q10	Icam2	Il12rb1	Il1r2	Il2ra	Ilgc1	Ilgc2
F	Ilgc3	Klrc1	Klrd1	Krt18	Krt5	Krt8	Msa1	Myh10	Myh9	Myocd	Ncam1	Nos3
G	Nt5e	Pecam1	Reln	S100a8	Selp	St6gal1	Tek	Tnfrsf4	Tnfrsf8	Tpsab1	Vcam1	Vwf
H	Actb	B2m	Gapdh	Gusb	Hsp90ab1	MGDC	QIC	QIC	QIC	PPC	PPC	PPC

Gene table: QuantiNova LNA Probe PCR Focus Panel

Position	Assay	Name	Symbol	Ensembl ID	Description
A01	UPFM062114 8	ENSMUST00000 164888.1	Alcam	ENSMUSG00 000022636	activated leukocyte cell adhesion molecule Source MGI Symbol Acc MGI 1313266
A02	UPFM068588 5	ENSMUST00000 168818.1	C5ar1	ENSMUSG00 000049130	complement component 5a receptor 1 Source MGI Symbol Acc MGI 88232
A03	UPFM099448 4	ENSMUST00000 107074.7	Cd160	ENSMUSG00 000038304	CD160 antigen Source MGI Symbol Acc MGI 1860383
A04	UPFM065805 3	ENSMUST00000 112541.7	Cd163	ENSMUSG00 000008845	CD163 antigen Source MGI Symbol Acc MGI 2135946
A05	UPFM086499 6	ENSMUST00000 032968.6	Cd19	ENSMUSG00 000030724	CD19 antigen Source MGI Symbol Acc MGI 88319
A06	UPFM062443 5	ENSMUST00000 063869.10	Cd1d1	ENSMUSG00 000028076	CD1d1 antigen Source MGI Symbol Acc MGI 107674
A07	UPFM097197 9	ENSMUST00000 194208.5	Cd1d2	ENSMUSG00 000041750	CD1d2 antigen Source MGI Symbol Acc MGI 107675
A08	UPFM072120 0	ENSMUST00000 152321.1	Cd2	ENSMUSG00 000027863	CD2 antigen Source MGI Symbol Acc MGI 88320
A09	UPFM062161 1	ENSMUST00000 231633.1	Cd200r1	ENSMUSG00 000022667	CD200 receptor 1 Source MGI Symbol Acc MGI 1889024
A10	UPFM078883 0	ENSMUST00000 207906.1	Cd209a	ENSMUSG00 000031494	CD209a antigen Source MGI Symbol Acc MGI 2157942
A11	UPFM082110 5	ENSMUST00000 190455.1	Cd22	ENSMUSG00 000030577	CD22 antigen Source MGI Symbol Acc MGI 88322
A12	UPFM088403 0	ENSMUST00000 194170.1	Cd244a	ENSMUSG00 000004709	CD244 molecule A Source MGI Symbol Acc MGI 109294
B01	UPFM070804 1	ENSMUST00000 161971.7	Cd247	ENSMUSG00 000005763	CD247 antigen Source MGI Symbol Acc MGI 88334
B02	UPFM082206 2	ENSMUST00000 214476.1	Cd24a	ENSMUSG00 000047139	CD24a antigen Source MGI Symbol Acc MGI 88323
B03	UPFM088107 7	ENSMUST00000 216629.1	Cd276	ENSMUSG00 000035914	CD276 antigen Source MGI Symbol Acc MGI 2183926
B04	UPFM073617 9	ENSMUST00000 153207.1	Cd28	ENSMUSG00 000026012	CD28 antigen Source MGI Symbol Acc MGI 88327
B05	UPFM096481 0	ENSMUST00000 194036.1	Cd34	ENSMUSG00 000016494	CD34 antigen Source MGI Symbol Acc MGI 88329
B06	UPFM071251 3	ENSMUST00000 033063.14	Cd37	ENSMUSG00 000030798	CD37 antigen Source MGI Symbol Acc MGI 88330
B07	UPFM074494 4	ENSMUST00000 030964.5	Cd38	ENSMUSG00 000029084	CD38 antigen Source MGI Symbol Acc MGI 107474
B08	UPFM076827 6	ENSMUST00000 034602.8	Cd3d	ENSMUSG00 000032094	CD3 antigen, delta polypeptide Source MGI Symbol Acc MGI 88331
B09	UPFM087776 9	ENSMUST00000 160886.1	Cd3g	ENSMUSG00 000002033	CD3 antigen, gamma polypeptide Source MGI Symbol Acc MGI 88333
B10	UPFM075548 7	ENSMUST00000 145818.1	Cd4	ENSMUSG00 000023274	CD4 antigen Source MGI Symbol Acc MGI 88335
B11	UPFM072215 7	ENSMUST00000 153105.1	Cd40	ENSMUSG00 000017652	CD40 antigen Source MGI Symbol Acc MGI 88336
B12	UPFM091836 0	ENSMUST00000 033466.1	Cd40lg	ENSMUSG00 000031132	CD40 ligand Source MGI Symbol Acc MGI 88337
C01	UPFM101202 6	ENSMUST00000 025571.8	Cd5	ENSMUSG00 000024669	CD5 antigen Source MGI Symbol Acc MGI 88340
C02	UPFM070033 0	ENSMUST00000 025572.7	Cd6	ENSMUSG00 000024670	CD6 antigen Source MGI Symbol Acc MGI 103566
C03	UPFM063249 8	ENSMUST00000 219317.1	Cd63	ENSMUSG00 000025351	CD63 antigen Source MGI Symbol Acc MGI 99529
C04	UPFM090692 3	ENSMUST00000 205190.2	Cd69	ENSMUSG00 000030156	CD69 antigen Source MGI Symbol Acc MGI 88343
C05	UPFM093017 5	ENSMUST00000 163465.1	Cd7	ENSMUSG00 000025163	CD7 antigen Source MGI Symbol Acc MGI 88344
C06	UPFM100648 5	ENSMUST00000 019633.7	Cd70	ENSMUSG00 000019489	CD70 antigen Source MGI Symbol Acc MGI 1195273
C07	UPFM065131 6	ENSMUST00000 107925.7	Cd72	ENSMUSG00 000028459	CD72 antigen Source MGI Symbol Acc MGI 88345
C08	UPFM079020 0	ENSMUST00000 050487.15	Cd74	ENSMUSG00 000024610	CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated) Source MGI Symbol Acc MGI 96534
C09	UPFM075213 2	ENSMUST00000 003469.7	Cd79a	ENSMUSG00 000003379	CD79A antigen (immunoglobulin-associated alpha) Source MGI Symbol Acc MGI 101774
C10	UPFM080052 0	ENSMUST00000 044228.10	Cd79b	ENSMUSG00 000040592	CD79B antigen Source MGI Symbol Acc MGI 96431
	UPFM091778	ENSMUST00000		ENSMUSG00	

Position	Assay	Name	Symbol	Ensembl ID	Description
C11	2	099816.2	Cd80	000075122	CD80 antigen Source MGI Symbol Acc MGI 101775
C12	UPFM061810 7	ENSMUST00000 015540.3	Cd83	ENSMUSG00 000015396	CD83 antigen Source MGI Symbol Acc MGI 1328316
D01	UPFM099543 4	ENSMUST00000 089620.10	Cd86	ENSMUSG00 000022901	CD86 antigen Source MGI Symbol Acc MGI 101773
D02	UPFM078336 6	ENSMUST00000 205054.1	Cd8a	ENSMUSG00 000053977	CD8 antigen, alpha chain Source MGI Symbol Acc MGI 88346
D03	UPFM090571 3	ENSMUST00000 065248.8	Cd8b1	ENSMUSG00 000053044	CD8 antigen, beta chain 1 Source MGI Symbol Acc MGI 88347
D04	UPFM092218 6	ENSMUST00000 023336.9	Cd96	ENSMUSG00 000022657	CD96 antigen Source MGI Symbol Acc MGI 1934368
D05	UPFM092844 7	ENSMUST00000 193435.5	Chst10	ENSMUSG00 000026080	carbohydrate sulfotransferase 10 Source MGI Symbol Acc MGI 2138283
D06	UPFM117294 6	ENSMUST00000 001547.7	Col1a1	ENSMUSG00 000001506	collagen, type I, alpha 1 Source MGI Symbol Acc MGI 88467
D07	UPFM081902 3	ENSMUST00000 132029.1	Col1a2	ENSMUSG00 000029661	collagen, type I, alpha 2 Source MGI Symbol Acc MGI 88468
D08	UPFM078755 5	ENSMUST00000 195737.1	Cr2	ENSMUSG00 000026616	complement receptor 2 Source MGI Symbol Acc MGI 88489
D09	UPFM070837 8	ENSMUST00000 025523.12	Csf1r	ENSMUSG00 000024621	colony stimulating factor 1 receptor Source MGI Symbol Acc MGI 1339758
D10	UPFM090439 4	ENSMUST00000 027164.8	Ctla4	ENSMUSG00 000026011	cytotoxic T-lymphocyte-associated protein 4 Source MGI Symbol Acc MGI 88556
D11	UPFM077525 3	ENSMUST00000 149306.1	Dpp4	ENSMUSG00 000035000	dipeptidylpeptidase 4 Source MGI Symbol Acc MGI 94919
D12	UPFM062460 8	ENSMUST00000 009705.13	Eng	ENSMUSG00 000026814	endoglin Source MGI Symbol Acc MGI 95392
E01	UPFM084457 5	ENSMUST00000 053577.8	Epcam	ENSMUSG00 000045394	epithelial cell adhesion molecule Source MGI Symbol Acc MGI 106653
E02	UPFM099578 7	ENSMUST00000 235709.1	Fas	ENSMUSG00 000024778	Fas (TNF receptor superfamily member 6) Source MGI Symbol Acc MGI 95484
E03	UPFM095735 8	ENSMUST00000 049706.10	Fcεr1a	ENSMUSG00 000005339	Fc receptor, IgE, high affinity I, alpha polypeptide Source MGI Symbol Acc MGI 95494
E04	UPFM098153 4	ENSMUST00000 208492.1	Fcεr2a	ENSMUSG00 000005540	Fc receptor, IgE, low affinity II, alpha polypeptide Source MGI Symbol Acc MGI 95497
E05	UPFM080075 3	ENSMUST00000 200420.1	Fcγr1	ENSMUSG00 000015947	Fc receptor, IgG, high affinity I Source MGI Symbol Acc MGI 95498
E06	UPFM064174 7	ENSMUST00000 174589.1	H2-Q10	ENSMUSG00 000067235	histocompatibility 2, Q region locus 10 Source MGI Symbol Acc MGI 95929
E07	UPFM064795 3	ENSMUST00000 173795.1	Icam2	ENSMUSG00 000001029	intercellular adhesion molecule 2 Source MGI Symbol Acc MGI 96394
E08	UPFM067749 3	ENSMUST00000 000808.7	Il12rb1	ENSMUSG00 000000791	interleukin 12 receptor, beta 1 Source MGI Symbol Acc MGI 104579
E09	UPFM070789 8	ENSMUST00000 195770.1	Il1r2	ENSMUSG00 000026073	interleukin 1 receptor, type II Source MGI Symbol Acc MGI 96546
E10	UPFM092234 6	ENSMUST00000 028111.5	Il2ra	ENSMUSG00 000026770	interleukin 2 receptor, alpha chain Source MGI Symbol Acc MGI 96549
E11	UPFM090025 9	ENSMUST00000 224493.1	Itga1	ENSMUSG00 000042284	integrin alpha 1 Source MGI Symbol Acc MGI 96599
E12	UPFM099288 8	ENSMUST00000 224204.1	Itga2	ENSMUSG00 000015533	integrin alpha 2 Source MGI Symbol Acc MGI 96600
F01	UPFM076559 2	ENSMUST00000 001548.13	Itga3	ENSMUSG00 000001507	integrin alpha 3 Source MGI Symbol Acc MGI 96602
F02	UPFM081580 8	ENSMUST00000 169545.7	Klrc1	ENSMUSG00 000030167	killer cell lectin-like receptor subfamily C, member 1 Source MGI Symbol Acc MGI 1336161
F03	UPFM098963 4	ENSMUST00000 159804.1	Klrd1	ENSMUSG00 000030165	killer cell lectin-like receptor, subfamily D, member 1 Source MGI Symbol Acc MGI 1196275
F04	UPFM090752 8	ENSMUST00000 023803.7	Krt18	ENSMUSG00 000023043	keratin 18 Source MGI Symbol Acc MGI 96692
F05	UPFM094479 5	ENSMUST00000 023709.6	Krt5	ENSMUSG00 000061527	keratin 5 Source MGI Symbol Acc MGI 96702
F06	UPFM066812 9	ENSMUST00000 023952.9	Krt8	ENSMUSG00 000049382	keratin 8 Source MGI Symbol Acc MGI 96705
F07	UPFM072700 1	ENSMUST00000 169159.2	Ms4a1	ENSMUSG00 000024673	membrane-spanning 4-domains, subfamily A, member 1 Source MGI Symbol Acc MGI 88321
F08	UPFM086212 2	ENSMUST00000 155765.1	Myh10	ENSMUSG00 000020900	myosin, heavy polypeptide 10, non-muscle Source MGI Symbol Acc MGI 1930780
F09	UPFM081078 2	ENSMUST00000 129453.7	Myh9	ENSMUSG00 000022443	myosin, heavy polypeptide 9, non-muscle Source MGI Symbol Acc MGI 107717
F10	UPFM066974 9	ENSMUST00000 144399.2	Myocd	ENSMUSG00 000020542	myocardin Source MGI Symbol Acc MGI 2137495

Position	Assay	Name	Symbol	Ensembl ID	Description
F11	UPFM0684127	ENSMUST00000166811.8	Ncam1	ENSMUSG0000039542	neural cell adhesion molecule 1 Source MGI Symbol Acc MGI 97281
F12	UPFM0673581	ENSMUST00000115090.5	Nos3	ENSMUSG0000028978	nitric oxide synthase 3, endothelial cell Source MGI Symbol Acc MGI 97362
G01	UPFM0773568	ENSMUST00000034992.7	Nt5e	ENSMUSG0000032420	5 nucleotidase, ecto Source MGI Symbol Acc MGI 99782
G02	UPFM0950376	ENSMUST00000068021.8	Pecam1	ENSMUSG0000020717	platelet/endothelial cell adhesion molecule 1 Source MGI Symbol Acc MGI 97537
G03	UPFM0803735	ENSMUST00000012849.14	Retn	ENSMUSG0000012705	resistin Source MGI Symbol Acc MGI 1888506
G04	UPFM0848198	ENSMUST00000069927.9	S100a8	ENSMUSG0000056054	S100 calcium binding protein A8 (calgranulin A) Source MGI Symbol Acc MGI 88244
G05	UPFM0935219	ENSMUST000000162746.1	Selp	ENSMUSG0000026580	selectin, platelet Source MGI Symbol Acc MGI 98280
G06	UPFM0634126	ENSMUST000000178797.7	St6gal1	ENSMUSG0000022885	beta galactoside alpha 2,6 sialyltransferase 1 Source MGI Symbol Acc MGI 108470
G07	UPFM0939367	ENSMUST000000131958.1	Tek	ENSMUSG0000006386	TEK receptor tyrosine kinase Source MGI Symbol Acc MGI 98664
G08	UPFM0977326	ENSMUST000000127377.1	Tnfrsf4	ENSMUSG0000029075	tumor necrosis factor receptor superfamily, member 4 Source MGI Symbol Acc MGI 104512
G09	UPFM0968673	ENSMUST000000123027.1	Tnfrsf8	ENSMUSG0000028602	tumor necrosis factor receptor superfamily, member 8 Source MGI Symbol Acc MGI 99908
G10	UPFM0911318	ENSMUST000000153118.1	Tpsab1	ENSMUSG0000024173	tryptase alpha/beta 1 Source MGI Symbol Acc MGI 96943
G11	UPFM0838735	ENSMUST000000029574.12	Vcam1	ENSMUSG0000027962	vascular cell adhesion molecule 1 Source MGI Symbol Acc MGI 98926
G12	UPFM0943904	ENSMUST000000112253.5	Vwf	ENSMUSG0000001930	Von Willebrand factor Source MGI Symbol Acc MGI 98941
H01	UPFM1132946	ENSMUST000000163829.1	Actb	ENSMUSG0000029580	actin, beta Source MGI Symbol Acc MGI 87904
H02	UPFM1132947	ENSMUST000000102476.4	B2m	ENSMUSG0000060802	beta-2 microglobulin Source MGI Symbol Acc MGI 88127
H03	UPFM1132948	ENSMUST000000117757.8	Gapdh	ENSMUSG0000057666	glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI 95640
H04	UPFM1132949	ENSMUST000000026613.13	Gusb	ENSMUSG0000025534	glucuronidase, beta Source MGI Symbol Acc MGI 95872
H05	UPFM1132950	ENSMUST000000166469.7	Hsp90ab1	ENSMUSG0000023944	heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol Acc MGI 96247
H06	UPFM1126609	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 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 Probe RT-PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml QuantiNova Probe RT-PCR Master Mix, 20 μ l QuantiNova Probe 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	208352
QuantiNova Probe PCR Kit (100)*	For 100 x 20 μ l reactions: 1 ml 2x QuantiNova Probe PCR Master Mix, 500 μ l QuantiNova Yellow Template Dilution Buffer, 250 μ l 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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