

RealTime ready

Human Apoptosis Panel, 96

Ready-to-use panel for the gene expression profiling of apoptosis-related genes

Cat. No. 05 392 063 001

2 plates, each containing 96 assays

Version November 2008

△ Store at +2 to +8°C
△ Store protected from light!

Plate Layout

	1	2	3	4	5	6	7	8	9	10	11	12
A	1 AKT1	2 APAF1	3 AVEN	4 BAD	5 BAG1	6 BAK1	7 BAX	8 BBC3	9 BCL2	10 BCL2L1	11 BCL2L10	12 BCL2L11
B	13 BCL2L13	14 BCL2L2	15 BID	16 BIK	17 BIRC2	18 BIRC3	19 BIRC5	20 BOK	21 CAD	22 CASP1	23 CASP10	24 CASP12
C	25 CASP14	26 CASP2	27 CASP3	28 CASP4	29 CASP5	30 CASP6	31 CASP7	32 CASP8	33 CASP8AP2	34 CASP9	35 CFLAR	36 CRADD
D	37 DFFA	38 DIABLO	39 endoG	40 FADD	41 FAM96A	42 FAM96B	43 FAS	44 FASLG	45 HMGB1	46 HRK	47 HSP90B1	48 HTRA2
E	49 LRDD	50 MCL1	51 NFKB1	52 NFKB2	53 NGFR	54 PMAIP1	55 PTEN	56 REL	57 RELA	58 RELB	59 SOCS2	60 SOCS3
F	61 STAT1	62 STAT5A	63 STAT5B	64 TNF	65 TNFRSF10 A	66 TNFRSF10 B	67 TNFRSF10 C	68 TNFRSF10 D	69 TNFRSF11 B	70 TNFRSF1A	71 TNFRSF1B	72 TNFRSF21
G	73 TNFRSF25	74 TNFSF8	75 TNFSF10	76 TNFSF11	77 TP53	78 TP53I3	79 TRAF1	80 TRAF2	81 TRAF3	82 TRAF5	83 TRAF6	84 TRAF7
H	85 ACTB	86 B2M	87 GAPDH	88 HPRT1	89 RPL13A	90 18S	91 YWHAZ	92 RT+	93 RT+	94 RT+	95 RT-	96 RT-

H1 – H7: Reference genes
 H8 – H10: RT positive control
 H11 – H12: RT minus control

Sample Details

No.	Pos. HGNC-Symbol	Description
1	A 01 AKT1	RAC-alpha serine/threonine-protein kinase
2	A 02 APAF1	Apoptotic protease-activating factor 1 (Apaf-1).
3	A 03 AVEN	Cell death regulator Aven.
4	A 04 BAD	Bcl2 antagonist of cell death (BAD)
5	A 05 BAG1	BAG family molecular chaperone regulator 1 (Bcl-2-associated athanogene 1)
6	A 06 BAK1	Bcl-2 homologous antagonist/killer (Apoptosis regulator BAK)
7	A 07 BAX	Apoptosis regulator BAX.
8	A 08 BBC3	Bcl-2-binding component 3 (p53 up-regulated modulator of apoptosis)
9	A 09 BCL2	Apoptosis regulator Bcl-2.
10	A 10 BCL2L1	Apoptosis regulator Bcl-X (Bcl-2-like 1 protein).
11	A 11 BCL2L10	Apoptosis regulator Bcl-B (Bcl-2-like 10 protein)
12	A 12 BCL2L11	Bcl-2-like protein 11 (Bcl2-interacting mediator of cell death).
13	B 01 BCL2L13	Bcl-2-like 13 protein (Protein Mii1)
14	B 02 BCL2L2	Apoptosis regulator Bcl-W (Bcl-2-like 2 protein).
15	B 03 BID	BH3-interacting domain death agonist (BID)
16	B 04 BIK	Bcl-2-interacting killer (Apoptosis inducer NBK)
17	B 05 BIRC2	Baculoviral IAP repeat-containing protein 2 (Inhibitor of apoptosis protein 2)

No.	Pos. HGNC-Symbol	Description
18	B 06 BIRC3	Baculoviral IAP repeat-containing protein 3 (Inhibitor of apoptosis protein 1)
19	B 07 BIRC5	Baculoviral IAP repeat-containing protein 5 (Apoptosis inhibitor survivin)
20	B 08 BOK	Bcl-2-related ovarian killer protein (Hbok).
21	B 09 CAD	CAD protein
22	B 10 CASP1	Caspase-1 precursor
23	B 11 CASP10	Caspase-10 precursor
24	B 12 CASP12	Inactive caspase-12 (CASP-12).
25	C 01 CASP14	Caspase-14 precursor
26	C 02 CASP2	Caspase-2 precursor
27	C 03 CASP3	Caspase-3 precursor
28	C 04 CASP4	Caspase-4 precursor
29	C 05 CASP5	Caspase-5 precursor
30	C 06 CASP6	Caspase-6 precursor
31	C 07 CASP7	Caspase-7 precursor
32	C 08 CASP8	Caspase-8 precursor
33	C 09 CASP8AP2	CASP8-associated protein 2 (FLICE-associated huge protein).
34	C 10 CASP9	Caspase-9 precursor
35	C 11 CFLAR	CASP8 and FADD-like apoptosis regulator precursor (Cellular FLICE-like inhibitory protein)

No.	Pos. HGNC-Symbol	Description
36	C 12 CRADD	Death domain-containing protein CRADD (Caspase and RIP adapter with death domain)
37	D 01 DFFA	DNA fragmentation factor subunit alpha (DNA fragmentation factor 45 kDa subunit)
38	D 02 DIABLO	Diablo homolog, mitochondrial precursor (Second mitochondria-derived activator of caspase)
39	D 03 endoG	Endonuclease G, mitochondrial precursor
40	D 04 FADD	Protein FADD (FAS-associated death domain protein)
41	D 05 FAM96A	UPF0195 protein FAM96A.
42	D 06 FAM96B	UPF0195 protein FAM96B.
43	D 07 FAS	Tumor necrosis factor receptor superfamily member 6 precursor (FASLG receptor)
44	D 08 FASLG	Tumor necrosis factor ligand superfamily member 6 (Fas antigen ligand)
45	D 09 HMGB1	High mobility group protein B1 (High mobility group protein 1)
46	D 10 HRK	Activator of apoptosis harakiri (Neuronal death protein DP5)
47	D 11 HSP90B1	Endoplasmic precursor (Heat shock protein 90 kDa beta member 1)
48	D 12 HTRA2	Serine protease HTRA2, mitochondrial precursor
49	E 01 LRDD	Leucine-rich repeat and death domain-containing protein (p53-induced protein with a death domain)
50	E 02 MCL1	Induced myeloid leukemia cell differentiation protein Mcl-1 (Bcl-2- related protein EAT/mcl1)
51	E 03 NFKB1	Nuclear factor NF-kappa-B p105 subunit (DNA-binding factor KBF1)
52	E 04 NFKB2	Nuclear factor NF-kappa-B p100 subunit (DNA-binding factor KBF2)
53	E 05 NGFR	Tumor necrosis factor receptor superfamily member 16 precursor (Low- affinity nerve growth factor receptor)
54	E 06 PMAIP1	Phorbol-12-myristate-13-acetate-induced protein 1 (PMA-induced protein 1)
55	E 07 PTEN	Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and dual- specificity protein phosphatase PTEN
56	E 08 REL	C-Rel proto-oncogene protein (C-Rel protein).
57	E 09 RELA	Transcription factor p65 (Nuclear factor NF-kappa-B p65 subunit).
58	E 10 RELB	Transcription factor RelB (I-Rel).
59	E 11 SOCS2	Suppressor of cytokine signaling 2 (SOCS-2)
60	E 12 SOCS3	Suppressor of cytokine signaling 3 (SOCS-3)
61	F 01 STAT1	Signal transducer and activator of transcription 1-alpha/beta (Transcription factor ISGF-3 components p91/p84).
62	F 02 STAT5A	Signal transducer and activator of transcription 5A.
63	F 03 STAT5B	Signal transducer and activator of transcription 5B.
64	F 04 TNF	Tumor necrosis factor precursor (TNF-alpha)
65	F 05 TNFRSF10A	Tumor necrosis factor receptor superfamily member 10A precursor (Death receptor 4)

No.	Pos. HGNC-Symbol	Description
66	F 06 TNFRSF10B	Tumor necrosis factor receptor superfamily member 10B precursor (Death receptor 5)
67	F 07 TNFRSF10C	Tumor necrosis factor receptor superfamily member 10C precursor (Decoy receptor 1)
68	F 08 TNFRSF10D	Tumor necrosis factor receptor superfamily member 10D precursor (Decoy receptor 2)
69	F 09 TNFRSF11B	Tumor necrosis factor receptor superfamily member 11B precursor (Osteoprotegerin)
70	F 10 TNFRSF1A	Tumor necrosis factor receptor superfamily member 1A precursor (p60)
71	F 11 TNFRSF1B	Tumor necrosis factor receptor superfamily member 1B precursor (Tumor necrosis factor receptor 2)
72	F 12 TNFRSF21	Tumor necrosis factor receptor superfamily member 21 precursor (TNFR- related death receptor 6)
73	G 01 TNFRSF25	Tumor necrosis factor receptor superfamily member 25 precursor (WSL-1 protein)
74	G 02 TNFSF8	Tumor necrosis factor ligand superfamily member 8 (CD30 ligand)
75	G 03 TNFSF10	Tumor necrosis factor ligand superfamily member 10 (TNF-related apoptosis-inducing ligand)
76	G 04 TNFSF11	Tumor necrosis factor ligand superfamily member 11 (Receptor activator of nuclear factor kappa B ligand)
77	G 05 TP53	Cellular tumor antigen p53 (Tumor suppressor p53)
78	G 06 TP53I3	Putative quinone oxidoreductase
79	G 07 TRAF1	TNF receptor-associated factor 1 (Epstein-Barr virus-induced protein 6).
80	G 08 TRAF2	TNF receptor-associated factor 2 (Tumor necrosis factor type 2 receptor-associated protein 3).
81	G 09 TRAF3	TNF receptor-associated factor 3 (CD40 receptor-associated factor 1)
82	G 10 TRAF5	TNF receptor-associated factor 5 (RING finger protein 84).
83	G 11 TRAF6	TNF receptor-associated factor 6 (Interleukin-1 signal transducer)
84	G 12 TRAF7	E3 ubiquitin-protein ligase TRAF7
85	H 01 ACTB	Actin, cytoplasmic 1 (Beta-actin)
86	H 02 B2M	Beta-2-microglobulin precursor
87	H 03 GAPDH	Glyceraldehyde-3-phosphate dehydrogenase
88	H 04 HPRT1	Hypoxanthine-guanine phosphoribosyltransferase
89	H 05 RPL13A	60S ribosomal protein L13a (23 kDa highly basic protein)
90	H 06 18S	18S ribosomal RNA
91	H 07 YWHAZ	14-3-3 protein zeta/delta (Protein kinase C inhibitor protein 1)
92	H 08 RT+	RT-positive control 5'
93	H 09 RT+	RT-positive control middle
94	H 10 RT+	RT-positive control 3'
95	H 11 RT-	RT-minus control 1 cDNA
96	H 12 RT-	RT-minus control 2 RNA

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