

## **References for Product 22811**

1. Lee DS, Lee MK, Kim JH. (2009) Curcumin induces cell cycle arrest and apoptosis in human osteosarcoma (HOS) cells. *Anticancer Res*, 29, 5039.
2. Schmitz-Valckenberg S, Guo L, Maass A, Cheung W, Vugler A, Moss SE, Munro PM, Fitzke FW, Cordeiro MF. (2008) Real-time in vivo imaging of retinal cell apoptosis after laser exposure. *Invest Ophthalmol Vis Sci*, 49, 2773.
3. Grata-Borkowska U, Steciwko A, Pokorski M, Drobnik J, Gasiorowski K, Pirogowicz I, Cieslar-Marczak E. (2007) Effects of neuraminidase on apoptosis of blood lymphocytes in rats with implanted Morris tumor. *J Physiol Pharmacol*, 58 Suppl 5, 253.
4. Morikawa K, Ikeda C, Nonaka M, Suzuki I. (2007) Growth arrest and apoptosis induced by quercetin is not linked to adipogenic conversion of human preadipocytes. *Metabolism*, 56, 1656.
5. Xiao JX, Huang GQ, Zhu CP, Ren DD, Zhang SH. (2007) Morphological study on apoptosis Hela cells induced by soyasaponins. *Toxicol In Vitro*, 21, 820.
6. Zhao AG, Yang JK, You SF, Li T, Zhao HL, Gu Y, Tang LD, Qiu JX. (2007) [Effects of Chinese herbal recipe Weichang'an in inducing apoptosis and related gene expression in human gastric cancer grafted onto nude mice]. *Zhong Xi Yi Jie He Xue Bao*, 5, 287.
7. Atamaniuk J, Ruzicka K, Stuhlmeier KM, Karimi A, Eigner M, Mueller MM. (2006) Cell-free plasma DNA: a marker for apoptosis during hemodialysis. *Clin Chem*, 52, 523.
8. Bajt ML, Cover C, Lemasters JJ, Jaeschke H. (2006) Nuclear translocation of endonuclease G and apoptosis-inducing factor during acetaminophen-induced liver cell injury. *Toxicol Sci*, 94, 217.
9. Fu YR, Yi ZJ, Yan YR, Qiu ZY. (2006) Hydroxycamptothecin-induced apoptosis in hepatoma SMMC-7721 cells and the role of mitochondrial pathway. *Mitochondrion*, 6, 211.
10. Lax A, Soler F, Fernandez-Belda F. (2006) Cytoplasmic Ca<sup>2+</sup> signals and cellular death by apoptosis in myocardial H9c2 cells. *Biochim Biophys Acta*, 1763, 937.
11. Lin CW, Lin KH, Hsieh TH, Shiu SY, Li JY. (2006) Severe acute respiratory syndrome coronavirus 3C-like protease-induced apoptosis. *FEMS Immunol Med Microbiol*, 46, 375.
12. Luo H, Wang A. (2006) Induction of apoptosis in K562 cells by jolkinolide B. *Can J Physiol Pharmacol*, 84, 959.
13. McClusky LM. (2006) Stage-dependency of apoptosis and the blood-testis barrier in the dogfish shark (*Squalus acanthias*): cadmium-induced changes as assessed by vital fluorescence techniques. *Cell Tissue Res*, 325, 541.
14. Panzarini E, Tenuzzo B, Palazzo F, Chionna A, Dini L. (2006) Apoptosis induction and mitochondria alteration in human HeLa tumour cells by photoproducts of Rose Bengal acetate. *J Photochem Photobiol B*, 83, 39.
15. Solano S, Cortes IM, Copitin NI, Tato P, Molinari JL. (2006) Lymphocyte apoptosis in the inflammatory reaction around *Taenia solium* metacestodes in porcine cysticercosis. *Vet Parasitol*, 140, 171.
16. Zheng LD, Tong QS, Wu CH. (2006) Growth inhibition and apoptosis inducing mechanisms of curcumin on human ovarian cancer cell line A2780. *Chin J Integr Med*, 12, 126.
17. Fronsdal K, Saatcioglu F. (2005) Histone deacetylase inhibitors differentially mediate apoptosis in prostate cancer cells. *Prostate*, 62, 299.
18. Li L, Braitheh FS, Kurzrock R. (2005) Liposome-encapsulated curcumin: in vitro and in vivo effects on proliferation, apoptosis, signaling, and angiogenesis. *Cancer*, 104, 1322.
19. Nevzglyadova OV, Artyomov AV, Mikhailova EV, Soidla TR. (2005) Bud selection and apoptosis-like degradation of nuclei in yeast heterokaryons: a KAR1 effect. *Mol Genet Genomics*, 274, 419.
20. Raghuvar Gopal DV, Narkar AA, Badrinath Y, Mishra KP, Joshi DS. (2005) Betulinic acid induces apoptosis in human chronic myelogenous leukemia (CML) cell line K-562 without altering the levels of Bcr-Abl. *Toxicol Lett*, 155, 343.

21. Wenzel U, Nickel A, Daniel H. (2005) Increased carnitine-dependent fatty acid uptake into mitochondria of human colon cancer cells induces apoptosis. *J Nutr*, 135, 1510.
22. Baran-Marszak F, Feuillard J, Najjar I, Le Clorennec C, Bechet JM, Dusanter-Fourt I, Bornkamm GW, Raphael M, Fagard R. (2004) Differential roles of STAT1alpha and STAT1beta in fludarabine-induced cell cycle arrest and apoptosis in human B cells. *Blood*, 104, 2475.
23. Basu S, Ma R, Boyle PJ, Mikulla B, Bradley M, Smith B, Basu M, Banerjee S. (2004) Apoptosis of human carcinoma cells in the presence of potential anti-cancer drugs: III. Treatment of Colo-205 and SKBR3 cells with: cis -platin, Tamoxifen, Melphalan, Betulinic acid, L-PDMP, L-PPMP, and GD3 ganglioside. *Glycoconj J*, 20, 563.
24. Kanno S, Shouji A, Hirata R, Asou K, Ishikawa M. (2004) Effects of naringin on cytosine arabinoside (Ara-C)-induced cytotoxicity and apoptosis in P388 cells. *Life Sci*, 75, 353.
25. Landex NL, Kayser L. (2004) Optimization of an Acridine Orange-bisbenzimidazole procedure for the detection of apoptosis-associated fluorescence colour changes in etoposide-treated cell cultures. *J Mol Histol*, 35, 133.
26. Lemarie A, Lagadic-Gossmann D, Morzadec C, Allain N, Fardel O, Vernhet L. (2004) Cadmium induces caspase-independent apoptosis in liver Hep3B cells: role for calcium in signaling oxidative stress-related impairment of mitochondria and relocation of endonuclease G and apoptosis-inducing factor. *Free Radic Biol Med*, 36, 1517.
27. Li L, Aggarwal BB, Shishodia S, Abbruzzese J, Kurzrock R. (2004) Nuclear factor-kappaB and I-kappaB kinase are constitutively active in human pancreatic cells, and their down-regulation by curcumin (diferuloylmethane) is associated with the suppression of proliferation and the induction of apoptosis. *Cancer*, 101, 2351.
28. Li W, Li J, Liu W, Altura BT, Altura BM. (2004) Alcohol-induced apoptosis of canine cerebral vascular smooth muscle cells: role of extracellular and intracellular calcium ions. *Neurosci Lett*, 354, 221.
29. Liang T, Chen MJ, Zhou KY, Tang XD, Wang XG. (2004) [Induction of apoptosis in human nasopharyngeal carcinoma cell line CNE-2Z by curcumin]. *Ai Zheng*, 23, 1651.
30. Lovborg H, Nygren P, Larsson R. (2004) Multiparametric evaluation of apoptosis: effects of standard cytotoxic agents and the cyanoguanidine CHS 828. *Mol Cancer Ther*, 3, 521.
31. Pi R, Li W, Lee NT, Chan HH, Pu Y, Chan LN, Sucher NJ, Chang DC, Li M, Han Y. (2004) Minocycline prevents glutamate-induced apoptosis of cerebellar granule neurons by differential regulation of p38 and Akt pathways. *J Neurochem*, 91, 1219.
32. Pingle SC, Mishra S, Marcuzzi A, Bhat SG, Sekino Y, Rybak LP, Ramkumar V. (2004) Osmotic diuretics induce adenosine A1 receptor expression and protect renal proximal tubular epithelial cells against cisplatin-mediated apoptosis. *J Biol Chem*, 279, 43157.
33. Steel R, Doherty JP, Buzzard K, Clemons N, Hawkins CJ, Anderson RL. (2004) Hsp72 inhibits apoptosis upstream of the mitochondria and not through interactions with Apaf-1. *J Biol Chem*, 279, 51490.
34. Hur KC, Shim JE, Johnson RG. (2003) A potential role for cx43-hemichannels in staurosporin-induced apoptosis. *Cell Commun Adhes*, 10, 271.
35. Narayanan BA, Condon MS, Bosland MC, Narayanan NK, Reddy BS. (2003) Suppression of N-methyl-N-nitrosourea/testosterone-induced rat prostate cancer growth by celecoxib: effects on cyclooxygenase-2, cell cycle regulation, and apoptosis mechanism(s). *Clin Cancer Res*, 9, 3503.
36. Plantin-Carrenard E, Bringuier A, Derappe C, Pichon J, Guillot R, Bernard M, Foglietti MJ, Feldmann G, Aubery M, Braut-Boucher F. (2003) A fluorescence microplate assay using yopro-1 to measure apoptosis: application to HL60 cells subjected to oxidative stress. *Cell Biol Toxicol*, 19, 121.
37. Yu A, McMaster CR, Byers DM, Ridgway ND, Cook HW. (2003) Stimulation of phosphatidylserine biosynthesis and facilitation of UV-induced apoptosis in Chinese hamster ovary cells overexpressing phospholipid scramblase 1. *J Biol Chem*, 278, 9706.
38. Chakrabarty S, Roy M, Hazra B, Bhattacharya RK. (2002) Induction of apoptosis in human cancer cell lines by diospyrin, a plant-derived bisnaphthoquinoid, and its synthetic derivatives. *Cancer Lett*, 188, 85.

39. Hirotani S, Otsu K, Nishida K, Higuchi Y, Morita T, Nakayama H, Yamaguchi O, Mano T, Matsumura Y, Ueno H, Tada M, Hori M. (2002) Involvement of nuclear factor-kappaB and apoptosis signal-regulating kinase 1 in G-protein-coupled receptor agonist-induced cardiomyocyte hypertrophy. *Circulation*, 105, 509.
40. Hu BH, Henderson D, Nicotera TM. (2002) Involvement of apoptosis in progression of cochlear lesion following exposure to intense noise. *Hear Res*, 166, 62.
41. Michea L, Combs C, Andrews P, Dmitrieva N, Burg MB. (2002) Mitochondrial dysfunction is an early event in high-NaCl-induced apoptosis of mIMCD3 cells. *Am J Physiol Renal Physiol*, 282, F981.
42. Uva BM, Masini MA, Sturla M, Bruzzone F, Giuliani M, Tagliafierro G, Strollo F. (2002) Microgravity-induced apoptosis in cultured glial cells. *Eur J Histochem*, 46, 209.
43. Bacso Z, Eliason JF. (2001) Measurement of DNA damage associated with apoptosis by laser scanning cytometry. *Cytometry*, 45, 180.
44. Dobrucki J, Darzynkiewicz Z. (2001) Chromatin condensation and sensitivity of DNA in situ to denaturation during cell cycle and apoptosis--a confocal microscopy study. *Micron*, 32, 645.
45. Kang YH, Chung SJ, Kang IJ, Park JH, Bungler R. (2001) Intramitochondrial pyruvate attenuates hydrogen peroxide-induced apoptosis in bovine pulmonary artery endothelium. *Mol Cell Biochem*, 216, 37.
46. Krysko DV, Roels F, Leybaert L, D'Herde K. (2001) Mitochondrial transmembrane potential changes support the concept of mitochondrial heterogeneity during apoptosis. *J Histochem Cytochem*, 49, 1277.
47. Ryu SW, Kim E. (2001) Apoptosis induced by human Fas-associated factor 1, hFAF1, requires its ubiquitin homologous domain, but not the Fas-binding domain. *Biochem Biophys Res Commun*, 286, 1027.
48. Soldani C, Lazze MC, Bottone MG, Tognon G, Biggiogera M, Pellicciari CE, Scovassi AI. (2001) Poly(ADP-ribose) polymerase cleavage during apoptosis: when and where? *Exp Cell Res*, 269, 193.
49. Estil S, Primo EJ, Wilson G. (2000) Apoptosis in shed human corneal cells. *Invest Ophthalmol Vis Sci*, 41, 3360.
50. Kumi-Diaka J, Butler A. (2000) Caspase-3 protease activation during the process of genistein-induced apoptosis in TM4 testicular cells. *Biol Cell*, 92, 115.
51. Moldrich RX, Beart PM, Pascoe CJ, Cheung NS. (2000) Low-affinity kainate receptor agonists induce insult-dependent apoptosis and necrosis in cultured murine cortical neurons. *J Neurosci Res*, 59, 788.
52. Nakajima-Shimada J, Zou C, Takagi M, Umeda M, Nara T, Aoki T. (2000) Inhibition of Fas-mediated apoptosis by *Trypanosoma cruzi* infection. *Biochim Biophys Acta*, 1475, 175.
53. Nuydens R, Dispersyn G, Van Den Kieboom G, de Jong M, Connors R, Ramaekers F, Borgers M, Geerts H. (2000) Bcl-2 protects neuronal cells against taxol-induced apoptosis by inducing multi-nucleation. *Apoptosis*, 5, 335.
54. Wang XM, Yu SF, Yang ZP. (2000) Apoptosis of osteoclast-like cells induced by alendronate is related to Fas gene expression. *Chin J Dent Res*, 3, 26.
55. Balachandran R, ter Haar E, Yalowich JC, Welsh MJ, Grant SG, Day BW. (1999) Induction of human breast cancer cell apoptosis from G2/M preceded by stimulation into the cell cycle by Z-1,1-dichloro-2,3-diphenylcyclopropane. *Biochem Pharmacol*, 57, 97.
56. Bedner E, Li X, Gorczyca W, Melamed MR, Darzynkiewicz Z. (1999) Analysis of apoptosis by laser scanning cytometry. *Cytometry*, 35, 181.
57. Du X, Stocklauser-Farber K, Rosen P. (1999) Generation of reactive oxygen intermediates, activation of NF-kappaB, and induction of apoptosis in human endothelial cells by glucose: role of nitric oxide synthase? *Free Radic Biol Med*, 27, 752.
58. Higuchi Y, Matsukawa S. (1999) Glutathione depletion induces giant DNA and high-molecular-weight DNA fragmentation associated with apoptosis through lipid peroxidation and protein kinase C activation in C6 glioma cells. *Arch Biochem Biophys*, 363, 33.
59. Krohn AJ, Wahlbrink T, Prehn JH. (1999) Mitochondrial depolarization is not required for neuronal apoptosis. *J Neurosci*, 19, 7394.

60. Mayhew TM, Leach L, McGee R, Ismail WW, Myklebust R, Lammiman MJ. (1999) Proliferation, differentiation and apoptosis in villous trophoblast at 13-41 weeks of gestation (including observations on annulate lamellae and nuclear pore complexes). *Placenta*, 20, 407.
61. Ohtsuki K, Akashi K, Aoka Y, Blankenberg FG, Kopiwoda S, Tait JF, Strauss HW. (1999) Technetium-99m HYNIC-annexin V: a potential radiopharmaceutical for the in-vivo detection of apoptosis. *Eur J Nucl Med*, 26, 1251.
62. Ratasirayakorn W, Leone P, Leblebicioglu B, Walters JD. (1999) Polyamines found in the inflamed periodontium inhibit priming and apoptosis in human polymorphonuclear leukocytes. *J Periodontol*, 70, 179.
63. Zhang X, Chen J, Davis B, Kiechle F. (1999) Hoechst 33342 induces apoptosis in HL-60 cells and inhibits topoisomerase I in vivo. *Arch Pathol Lab Med*, 123, 921.
64. Bloom SE, Muscarella DE, Lee MY, Rachlinski M. (1998) Cell death in the avian blastoderm: resistance to stress-induced apoptosis and expression of anti-apoptotic genes. *Cell Death Differ*, 5, 529.
65. Kulkarni GV, Lee W, Seth A, McCulloch CA. (1998) Role of mitochondrial membrane potential in concanavalin A-induced apoptosis in human fibroblasts. *Exp Cell Res*, 245, 170.
66. Matthews JB, Harrison A, Palcic B, Skov K. (1998) Automated fluorescence microscopic measurement of apoptosis frequency following ionizing radiation exposure in cultured mammalian cells. *Int J Radiat Biol*, 73, 629.
67. Shono M, Shimizu I, Omoya T, Hiasa A, Honda H, Tomita Y, Ito S. (1998) Differences in ethidium bromide and 4'-6-diamidino-2-phenylindole staining profiles with regard to DNA fragmentation during apoptosis. *Biochem Mol Biol Int*, 46, 1055.
68. Brunk UT, Dalen H, Roberg K, Hellquist HB. (1997) Photo-oxidative disruption of lysosomal membranes causes apoptosis of cultured human fibroblasts. *Free Radic Biol Med*, 23, 616.
69. Davis WP, Janssen YM, Mossman BT, Taatjes DJ. (1997) Simultaneous triple fluorescence detection of mRNA localization, nuclear DNA, and apoptosis in cultured cells using confocal scanning laser microscopy. *Histochem Cell Biol*, 108, 307.
70. Furuya T, Kamada T, Murakami T, Kurose A, Sasaki K. (1997) Laser scanning cytometry allows detection of cell death with morphological features of apoptosis in cells stained with PI. *Cytometry*, 29, 173.
71. Hoff HS, Donis RO. (1997) Induction of apoptosis and cleavage of poly(ADP-ribose) polymerase by cytopathic bovine viral diarrhea virus infection. *Virus Res*, 49, 101.
72. Kurose I, Higuchi H, Miura S, Saito H, Watanabe N, Hokari R, Hirokawa M, Takaishi M, Zeki S, Nakamura T, Ebinuma H, Kato S, Ishii H. (1997) Oxidative stress-mediated apoptosis of hepatocytes exposed to acute ethanol intoxication. *Hepatology*, 25, 368.
73. Nocentini S, Moreno G, Petit PX, Guggiari M, Salet C, Demerseman P, Dodin G. (1997) Induction of mitochondrial dysfunction and apoptosis in HeLa cells by bis-pyridinium oximes, a newly synthesized family of lipophilic biscations. *Biochem Pharmacol*, 53, 1543.
74. Prins JB, Niesler CU, Winterford CM, Bright NA, Siddle K, O'Rahilly S, Walker NI, Cameron DP. (1997) Tumor necrosis factor-alpha induces apoptosis of human adipose cells. *Diabetes*, 46, 1939.
75. Schwartz GK, Farsi K, Maslak P, Kelsen DP, Spriggs D. (1997) Potentiation of apoptosis by flavopiridol in mitomycin-C-treated gastric and breast cancer cells. *Clin Cancer Res*, 3, 1467.
76. Shenker BJ, Datar S, Mansfield K, Shapiro IM. (1997) Induction of apoptosis in human T-cells by organomercuric compounds: a flow cytometric analysis. *Toxicol Appl Pharmacol*, 143, 397.
77. Shi L, Mai S, Israels S, Browne K, Trapani JA, Greenberg AH. (1997) Granzyme B (GraB) autonomously crosses the cell membrane and perforin initiates apoptosis and GraB nuclear localization. *J Exp Med*, 185, 855.
78. Zhang G, Gurtu V, Kain SR, Yan G. (1997) Early detection of apoptosis using a fluorescent conjugate of annexin V. *Biotechniques*, 23, 525.

79. Ferlini C, Biselli R, Scambia G, Fattorossi A. (1996) Probing chromatin structure in the early phases of apoptosis. *Cell Prolif*, 29, 427.
80. Geng YJ, Wu Q, Muszynski M, Hansson GK, Libby P. (1996) Apoptosis of vascular smooth muscle cells induced by in vitro stimulation with interferon-gamma, tumor necrosis factor-alpha, and interleukin-1 beta. *Arterioscler Thromb Vasc Biol*, 16, 19.
81. Hamel W, Dazin P, Israel MA. (1996) Adaptation of a simple flow cytometric assay to identify different stages during apoptosis. *Cytometry*, 25, 173.
82. Kaneto H, Fujii J, Myint T, Miyazawa N, Islam KN, Kawasaki Y, Suzuki K, Nakamura M, Tatsumi H, Yamasaki Y, Taniguchi N. (1996) Reducing sugars trigger oxidative modification and apoptosis in pancreatic beta-cells by provoking oxidative stress through the glycation reaction. *Biochem J*, 320 ( Pt 3), 855.
83. Li X, Melamed MR, Darzynkiewicz Z. (1996) Detection of apoptosis and DNA replication by differential labeling of DNA strand breaks with fluorochromes of different color. *Exp Cell Res*, 222, 28.
84. Sugino N, Takiguchi S, Ono M, Tamura H, Shimamura K, Nakamura Y, Tsuruta R, Sadamitsu D, Ueda T, Maekawa T, Kato H. (1996) Nitric oxide concentrations in the follicular fluid and apoptosis of granulosa cells in human follicles. *Hum Reprod*, 11, 2484.
85. Kalemkerian GP, Slusher R, Ramalingam S, Gadgeel S, Mabry M. (1995) Growth inhibition and induction of apoptosis by fenretinide in small-cell lung cancer cell lines. *J Natl Cancer Inst*, 87, 1674.
86. Lizard G, Fournel S, Genestier L, Dhedin N, Chaput C, Flacher M, Mutin M, Panaye G, Revillard JP. (1995) Kinetics of plasma membrane and mitochondrial alterations in cells undergoing apoptosis. *Cytometry*, 21, 275.
87. Schwartz GK, Haimovitz-Friedman A, Dhupar SK, Ehleiter D, Maslak P, Lai L, Loganzo F, Jr., Kelsen DP, Fuks Z, Albino AP. (1995) Potentiation of apoptosis by treatment with the protein kinase C-specific inhibitor safinol in mitomycin C-treated gastric cancer cells. *J Natl Cancer Inst*, 87, 1394.
88. Blankenship LJ, Manning FC, Orenstein JM, Patierno SR. (1994) Apoptosis is the mode of cell death caused by carcinogenic chromium. *Toxicol Appl Pharmacol*, 126, 75.
89. Cejna M, Fritsch G, Printz D, Schulte-Hermann R, Bursch W. (1994) Kinetics of apoptosis and secondary necrosis in cultured rat thymocytes and S.49 mouse lymphoma and CEM human leukemia cells. *Biochem Cell Biol*, 72, 677.
90. Cregan SP, Boreham DR, Walker PR, Brown DL, Mitchel RE. (1994) Modification of radiation-induced apoptosis in radiation- or hyperthermia-adapted human lymphocytes. *Biochem Cell Biol*, 72, 475.
91. Dransfield I, Buckle AM, Savill JS, McDowall A, Haslett C, Hogg N. (1994) Neutrophil apoptosis is associated with a reduction in CD16 (Fc gamma RIII) expression. *J Immunol*, 153, 1254.
92. Marcovistz R, Bertho AL, Matos DC. (1994) Relationship between apoptosis and thymocyte depletion in rabies-infected mice. *Braz J Med Biol Res*, 27, 1599.
93. Payne CM, Bjore CG, Jr., Schultz DA. (1992) Change in the frequency of apoptosis after low- and high-dose X-irradiation of human lymphocytes. *J Leukoc Biol*, 52, 433.
94. Nicoletti I, Migliorati G, Pagliacci MC, Grignani F, Riccardi C. (1991) A rapid and simple method for measuring thymocyte apoptosis by propidium iodide staining and flow cytometry. *J Immunol Methods*, 139, 271.