

## **References for Products 13502 to 13505**

1. Xiao XL, Peng J, Su Q, Xiang SL, Tang GH, Huang YS, Zhou XT. (2006) [Diallyl Trisulfide Induces Apoptosis of Human Gastric Cancer Cell Line MGC803 Through Caspase-3 Pathway.]. *Ai Zheng*, 25, 1247.
2. Sakaue M, Motoyama Y, Yamamoto K, Shiba T, Teshima T, Chiba K. (2006) Quantitative measurement of caspase-3 activity in a living starfish egg. *Biochem Biophys Res Commun*, 350, 878.
3. Kume T, Taguchi R, Katsuki H, Akao M, Sugimoto H, Kaneko S, Akaike A. (2006) Serofendic acid, a neuroprotective substance derived from fetal calf serum, inhibits mitochondrial membrane depolarization and caspase-3 activation. *Eur J Pharmacol*, 542, 69.
4. Fennell M, Chan H, Wood A. (2006) Multiparameter measurement of caspase 3 activation and apoptotic cell death in NT2 neuronal precursor cells using high-content analysis. *J Biomol Screen*, 11, 296.
5. Wu X, Simone J, Hewgill D, Siegel R, Lipsky PE, He L. (2006) Measurement of two caspase activities simultaneously in living cells by a novel dual FRET fluorescent indicator probe. *Cytometry A*, 69, 477.
6. Jiang DJ, Jia SJ, Dai Z, Li YJ. (2006) Asymmetric dimethylarginine induces apoptosis via p38 MAPK/caspase-3-dependent signaling pathway in endothelial cells. *J Mol Cell Cardiol*, 40, 529.
7. Lerma-Diaz JM, Hernandez-Flores G, Dominguez-Rodriguez JR, Ortiz-Lazareno PC, Gomez-Contreras P, Cervantes-Munguia R, Scott-Algara D, Aguilar-Lemarroy A, Jave-Suarez LF, Bravo-Cuellar A. (2006) In vivo and in vitro sensitization of leukemic cells to adriamycin-induced apoptosis by pentoxifylline. Involvement of caspase cascades and I $\kappa$ B phosphorylation. *Immunol Lett*, 103, 149.
8. Brauns SC, Dealtry G, Milne P, Naude R, Van de Venter M. (2005) Caspase-3 activation and induction of PARP cleavage by cyclic dipeptide cyclo(Phe-Pro) in HT-29 cells. *Anticancer Res*, 25, 4197.
9. Kivinen K, Kallajoki M, Taimen P. (2005) Caspase-3 is required in the apoptotic disintegration of the nuclear matrix. *Exp Cell Res*, 311, 62.
10. Miller TJ, Schneider RJ, Miller JA, Martin BP, Al-Ubaidi MR, Agarwal N, Dethloff LA, Philbert MA. (2006) Photoreceptor cell apoptosis induced by the 2-nitroimidazole radiosensitizer, CI-1010, is mediated by p53-linked activation of caspase-3. *Neurotoxicology*, 27, 44.
11. Bullok K, Piwnica-Worms D. (2005) Synthesis and characterization of a small, membrane-permeant, caspase-activatable far-red fluorescent peptide for imaging apoptosis. *J Med Chem*, 48, 5404.
12. Ren L, Yang R, Guo L, Qu J, Wang J, Hung T. (2005) Apoptosis induced by the SARS-associated coronavirus in Vero cells is replication-dependent and involves caspase. *DNA Cell Biol*, 24, 496.
13. Belakavadi M, Salimath BP. (2005) Mechanism of inhibition of ascites tumor growth in mice by curcumin is mediated by NF- $\kappa$ B and caspase activated DNase. *Mol Cell Biochem*, 273, 57.
14. Bauer C, Bauder-Wuest U, Mier W, Haberkorn U, Eisenhut M. (2005) <sup>131</sup>I-labeled peptides as caspase substrates for apoptosis imaging. *J Nucl Med*, 46, 1066.
15. Loop T, Dovi-Akue D, Frick M, Roesslein M, Egger L, Humar M, Hoetzel A, Schmidt R, Borner C, Pahl HL, Geiger KK, Pannen BH. (2005) Volatile anesthetics induce caspase-dependent, mitochondria-mediated apoptosis in human T lymphocytes in vitro. *Anesthesiology*, 102, 1147.
16. O'Brien MA, Daily WJ, Hesselberth PE, Moravec RA, Scurria MA, Klaubert DH, Bulleit RF, Wood KV. (2005) Homogeneous, bioluminescent protease assays: caspase-3 as a model. *J Biomol Screen*, 10, 137.

17. Mica L, Harter L, Trentz O, Keel M. (2004) Endotoxin reduces CD95-induced neutrophil apoptosis by cIAP-2-mediated caspase-3 degradation. *J Am Coll Surg*, 199, 595.
18. Zheng XL, Sun HX, Liu XL, Chen YX, Qian BC. (2004) Astilbic acid induced COLO 205 cell apoptosis by regulating Bcl-2 and Bax expression and activating caspase-3. *Acta Pharmacol Sin*, 25, 1090.
19. Tomiyoshi G, Horita Y, Nishita M, Ohashi K, Mizuno K. (2004) Caspase-mediated cleavage and activation of LIM-kinase 1 and its role in apoptotic membrane blebbing. *Genes Cells*, 9, 591.
20. Zhou C, Yamaguchi M, Kusaka G, Schonholz C, Nanda A, Zhang JH. (2004) Caspase inhibitors prevent endothelial apoptosis and cerebral vasospasm in dog model of experimental subarachnoid hemorrhage. *J Cereb Blood Flow Metab*, 24, 419.
21. Massieu L, Moran J, Christen Y. (2004) Effect of Ginkgo biloba (EGb 761) on staurosporine-induced neuronal death and caspase activity in cortical cultured neurons. *Brain Res*, 1002, 76.
22. Eliner SG, Yoshida A, Bian ZM, Kindezelskii AL, Petty HR, Elnor VM. (2003) Human RPE cell apoptosis induced by activated monocytes is mediated by caspase-3 activation. *Trans Am Ophthalmol Soc*, 101, 77.
23. Chae IH, Park KW, Kim HS, Oh BH. (2004) Nitric oxide-induced apoptosis is mediated by Bax/Bcl-2 gene expression, transition of cytochrome c, and activation of caspase-3 in rat vascular smooth muscle cells. *Clin Chim Acta*, 341, 83.
24. Thrane C, Kaufmann U, Stummann BM, Olsson S. (2004) Activation of caspase-like activity and poly (ADP-ribose) polymerase degradation during sporulation in *Aspergillus nidulans*. *Fungal Genet Biol*, 41, 361.
25. Rabkin SW, Kong JY. (2003) Lovastatin-induced cardiac toxicity involves both oncotic and apoptotic cell death with the apoptotic component blunted by both caspase-2 and caspase-3 inhibitors. *Toxicol Appl Pharmacol*, 193, 346.
26. Zhang S, Sun Z, Liu L, Hasichaonu. (2003) Carvedilol attenuates CPB-induced apoptosis in dog heart: regulation of Fas/FasL and caspase-3 pathway. *Chin Med J (Engl)*, 116, 761.
27. Yuyama K, Yamamoto H, Nishizaki I, Kato T, Sora I, Yamamoto T. (2003) Caspase-independent cell death by low concentrations of nitric oxide in PC12 cells: involvement of cytochrome C oxidase inhibition and the production of reactive oxygen species in mitochondria. *J Neurosci Res*, 73, 351.
28. Weitsman GE, Ravid A, Liberman UA, Koren R. (2003) Vitamin D enhances caspase-dependent and -independent TNF $\alpha$ -induced breast cancer cell death: The role of reactive oxygen species and mitochondria. *Int J Cancer*, 106, 178.
29. Zhang HZ, Kasibhatla S, Guastella J, Tseng B, Drewe J, Cai SX. (2003) N-Ac-DEVD-N'-(Polyfluorobenzoyl)-R110: novel cell-permeable fluorogenic caspase substrates for the detection of caspase activity and apoptosis. *Bioconjug Chem*, 14, 458.
30. Hetz CA, Hunn M, Rojas P, Torres V, Leyton L, Quest AF. (2002) Caspase-dependent initiation of apoptosis and necrosis by the Fas receptor in lymphoid cells: onset of necrosis is associated with delayed ceramide increase. *J Cell Sci*, 115, 4671.
31. Velez-Pardo C, Ospina GG, Jimenez del Rio M. (2002) A $\beta$ [25-35] peptide and iron promote apoptosis in lymphocytes by an oxidative stress mechanism: involvement of H<sub>2</sub>O<sub>2</sub>, caspase-3, NF- $\kappa$ B, p53 and c-Jun. *Neurotoxicology*, 23, 351.
32. Uchiyama T, Otani H, Okada T, Ninomiya H, Kido M, Imamura H, Nogi S, Kobayashi Y. (2002) Nitric oxide induces caspase-dependent apoptosis and necrosis in neonatal rat cardiomyocytes. *J Mol Cell Cardiol*, 34, 1049.
33. Gylys KH, Fein JA, Cole GM. (2002) Caspase inhibition protects nerve terminals from in vitro degradation. *Neurochem Res*, 27, 465.
34. Nagase M, Shiota T, Tsushima A, Murshedul Alam M, Fukuoka S, Yoshizawa T, Sakato N. (2002) Molecular mechanism of satratoxin-induced apoptosis in HL-60 cells: activation of caspase-8 and caspase-9 is involved in activation of caspase-3. *Immunol Lett*, 84, 23.
35. Chin AC, Teoh DA, Scott KG, Meddings JB, Macnaughton WK, Buret AG. (2002) Strain-dependent induction of enterocyte apoptosis by *Giardia lamblia* disrupts epithelial barrier function in a caspase-3-dependent manner. *Infect Immun*, 70, 3673.

36. Rehm M, Dussmann H, Janicke RU, Tavare JM, Kogel D, Prehn JH. (2002) Single-cell fluorescence resonance energy transfer analysis demonstrates that caspase activation during apoptosis is a rapid process. Role of caspase-3. *J Biol Chem*, 277, 24506.
37. Mahieux R, Pise-Masison C, Gessain A, Brady JN, Olivier R, Perret E, Misteli T, Nicot C. (2001) Arsenic trioxide induces apoptosis in human T-cell leukemia virus type 1- and type 2-infected cells by a caspase-3-dependent mechanism involving Bcl-2 cleavage. *Blood*, 98, 3762.
38. Chen TA, Yang F, Cole GM, Chan SO. (2001) Inhibition of caspase-3-like activity reduces glutamate induced cell death in adult rat retina. *Brain Res*, 904, 177.
39. Chae HJ, Kim SC, Han KS, Chae SW, An NH, Kim HM, Kim HH, Lee ZH, Kim HR. (2001) Hypoxia induces apoptosis by caspase activation accompanying cytochrome C release from mitochondria in MC3T3E1 osteoblasts. p38 MAPK is related in hypoxia-induced apoptosis. *Immunopharmacol Immunotoxicol*, 23, 133.
40. Mlejnek P. (2001) Caspase-3 activity and carbonyl cyanide m-chlorophenylhydrazone-induced apoptosis in HL-60. *Altern Lab Anim*, 29, 243.
41. Luo KQ, Yu VC, Pu Y, Chang DC. (2001) Application of the fluorescence resonance energy transfer method for studying the dynamics of caspase-3 activation during UV-induced apoptosis in living HeLa cells. *Biochem Biophys Res Commun*, 283, 1054.
42. Benford HL, McGowan NW, Helfrich MH, Nuttall ME, Rogers MJ. (2001) Visualization of bisphosphonate-induced caspase-3 activity in apoptotic osteoclasts in vitro. *Bone*, 28, 465.
43. Zhan RZ, Wu C, Fujihara H, Taga K, Qi S, Naito M, Shimoji K. (2001) Both caspase-dependent and caspase-independent pathways may be involved in hippocampal CA1 neuronal death because of loss of cytochrome c From mitochondria in a rat forebrain ischemia model. *J Cereb Blood Flow Metab*, 21, 529.
44. Sparrow JR, Cai B. (2001) Blue light-induced apoptosis of A2E-containing RPE: involvement of caspase-3 and protection by Bcl-2. *Invest Ophthalmol Vis Sci*, 42, 1356.
45. Tartier L, McCarey YL, Biaglow JE, Kochevar IE, Held KD. (2000) Apoptosis induced by dithiothreitol in HL-60 cells shows early activation of caspase 3 and is independent of mitochondria. *Cell Death Differ*, 7, 1002.
46. Tyas L, Brophy VA, Pope A, Rivett AJ, Tavare JM. (2000) Rapid caspase-3 activation during apoptosis revealed using fluorescence-resonance energy transfer. *EMBO Rep*, 1, 266.
47. Pandey S, Smith B, Walker PR, Sikorska M. (2000) Caspase-dependent and independent cell death in rat hepatoma 5123tc cells. *Apoptosis*, 5, 265.
48. Cai SX, Zhang HZ, Guastella J, Drewe J, Yang W, Weber E. (2001) Design and synthesis of rhodamine 110 derivative and caspase-3 substrate for enzyme and cell-based fluorescent assay. *Bioorg Med Chem Lett*, 11, 39.
49. Masuda Y, Nakaya M, Aiuchi T, Hashimoto S, Nakajo S, Nakaya K. (2000) The mechanism of geranylgeraniol-induced apoptosis involves activation, by a caspase-3-like protease, of a c-jun N-terminal kinase signaling cascade and differs from mechanisms of apoptosis induced by conventional chemotherapeutic drugs. *Leuk Res*, 24, 937.
50. Odaka C, Sanders ML, Crews P. (2000) Jasplakinolide induces apoptosis in various transformed cell lines by a caspase-3-like protease-dependent pathway. *Clin Diagn Lab Immunol*, 7, 947.
51. Wintergerst ES, Jelk J, Rahner C, Asmis R. (2000) Apoptosis induced by oxidized low density lipoprotein in human monocyte-derived macrophages involves CD36 and activation of caspase-3. *Eur J Biochem*, 267, 6050.
52. Coelho D, Holl V, Weltin D, Lacornerie T, Magnenet P, Dufour P, Bischoff P. (2000) Caspase-3-like activity determines the type of cell death following ionizing radiation in MOLT-4 human leukaemia cells. *Br J Cancer*, 83, 642.
53. Andersson M, Sjostrand J, Petersen A, Honarvar AK, Karlsson JO. (2000) Caspase and proteasome activity during staurosporin-induced apoptosis in lens epithelial cells. *Invest Ophthalmol Vis Sci*, 41, 2623.
54. Mack A, Furmann C, Hacker G. (2000) Detection of caspase-activation in intact lymphoid cells using standard caspase substrates and inhibitors. *J Immunol Methods*, 241, 19.

55. Korthout HA, Berecki G, Bruin W, van Duijn B, Wang M. (2000) The presence and subcellular localization of caspase 3-like proteinases in plant cells. *FEBS Lett*, 475, 139.
56. Belloc F, Belaud-Rotureau MA, Lavignolle V, Bascans E, Braz-Pereira E, Durrieu F, Lacombe F. (2000) Flow cytometry detection of caspase 3 activation in preapoptotic leukemic cells. *Cytometry*, 40, 151.
57. Ho LH, Ratnaike RN, Zalewski PD. (2000) Involvement of intracellular labile zinc in suppression of DEVD-caspase activity in human neuroblastoma cells. *Biochem Biophys Res Commun*, 268, 148.
58. Eldadah BA, Ren RF, Faden AI. (2000) Ribozyme-mediated inhibition of caspase-3 protects cerebellar granule cells from apoptosis induced by serum-potassium deprivation. *J Neurosci*, 20, 179.
59. Hirashima Y, Kurimoto M, Nogami K, Endo S, Saitoh M, Ohtani O, Nagata T, Muraguchi A, Takaku A. (1999) Correlation of glutamate-induced apoptosis with caspase activities in cultured rat cerebral cortical neurons. *Brain Res*, 849, 109.
60. Liu J, Bhalgat M, Zhang C, Diwu Z, Hoyland B, Klaubert DH. (1999) Fluorescent molecular probes V: a sensitive caspase-3 substrate for fluorometric assays. *Bioorg Med Chem Lett*, 9, 3231.
61. Pan MH, Lin JH, Lin-Shiau SY, Lin JK. (1999) Induction of apoptosis by penta-O-galloyl-beta-D-glucose through activation of caspase-3 in human leukemia HL-60 cells. *Eur J Pharmacol*, 381, 171.
62. Katai N, Yoshimura N. (1999) Apoptotic retinal neuronal death by ischemia-reperfusion is executed by two distinct caspase family proteases. *Invest Ophthalmol Vis Sci*, 40, 2697.
63. Mizukami S, Kikuchi K, Higuchi T, Urano Y, Mashima T, Tsuruo T, Nagano T. (1999) Imaging of caspase-3 activation in HeLa cells stimulated with etoposide using a novel fluorescent probe. *FEBS Lett*, 453, 356.
64. Denmeade SR, Lin XS, Tombal B, Isaacs JT. (1999) Inhibition of caspase activity does not prevent the signaling phase of apoptosis in prostate cancer cells. *Prostate*, 39, 269.
65. Stridh H, Orrenius S, Hampton MB. (1999) Caspase involvement in the induction of apoptosis by the environmental toxicants tributyltin and triphenyltin. *Toxicol Appl Pharmacol*, 156, 141.
66. Suzuki N, Urano J, Tamanoi F. (1998) Farnesyltransferase inhibitors induce cytochrome c release and caspase 3 activation preferentially in transformed cells. *Proc Natl Acad Sci U S A*, 95, 15356.
67. Marks N, Berg MJ, Guidotti A, Saito M. (1998) Activation of caspase-3 and apoptosis in cerebellar granule cells. *J Neurosci Res*, 52, 334.
68. Gurtu V, Kain SR, Zhang G. (1997) Fluorometric and colorimetric detection of caspase activity associated with apoptosis. *Anal Biochem*, 251, 98.