

References for Product 22840

1. Ahmed S, Silverman MD, Marotte H, Kwan K, Matuszczak N, Koch AE. (2009) Down-regulation of myeloid cell leukemia 1 by epigallocatechin-3-gallate sensitizes rheumatoid arthritis synovial fibroblasts to tumor necrosis factor alpha-induced apoptosis. *Arthritis Rheum*, 60, 1282.
2. Domart MC, Esposti DD, Sebah M, Olaya N, Harper F, Pierron G, Franc B, Tanabe KK, Debuire B, Azoulay D, Brenner C, Lemoine A. (2009) Concurrent induction of necrosis, apoptosis, and autophagy in ischemic preconditioned human livers formerly treated by chemotherapy. *J Hepatol*, 51, 881.
3. Elders RC, Baines SJ, Catchpole B. (2009) Susceptibility of the C2 canine mastocytoma cell line to the effects of tumor necrosis factor-related apoptosis-inducing ligand (TRAIL). *Vet Immunol Immunopathol*, 130, 11.
4. Foldbjerg R, Olesen P, Hougaard M, Dang DA, Hoffmann HJ, Autrup H. (2009) PVP-coated silver nanoparticles and silver ions induce reactive oxygen species, apoptosis and necrosis in THP-1 monocytes. *Toxicol Lett*, 190, 156.
5. Heinrich A, Balszuweit F, Thiermann H, Kehe K. (2009) Rapid simultaneous determination of apoptosis, necrosis, and viability in sulfur mustard exposed HaCaT cell cultures. *Toxicol Lett*, 191, 260.
6. Hong JY, Lebofsky M, Farhood A, Jaeschke H. (2009) Oxidant stress-induced liver injury in vivo: role of apoptosis, oncotic necrosis, and c-Jun NH2-terminal kinase activation. *Am J Physiol Gastrointest Liver Physiol*, 296, G572.
7. Hong S, Kim CY, Lee JE, Seong GJ. (2009) Agmatine protects cultured retinal ganglion cells from tumor necrosis factor-alpha-induced apoptosis. *Life Sci*, 84, 28.
8. Kreeger PK, Mandhana R, Alford SK, Haigis KM, Lauffenburger DA. (2009) RAS mutations affect tumor necrosis factor-induced apoptosis in colon carcinoma cells via ERK-modulatory negative and positive feedback circuits along with non-ERK pathway effects. *Cancer Res*, 69, 8191.
9. Ling S, Luo R, Dai A, Guo Z, Guo R, Komesaroff PA. (2009) A pharmaceutical preparation of *Salvia miltiorrhiza* protects cardiac myocytes from tumor necrosis factor-induced apoptosis and reduces angiotensin II-stimulated collagen synthesis in fibroblasts. *Phytomedicine*, 16, 56.
10. Meusch U, Rossol M, Baerwald C, Hauschildt S, Wagner U. (2009) Outside-to-inside signaling through transmembrane tumor necrosis factor reverses pathologic interleukin-1beta production and deficient apoptosis of rheumatoid arthritis monocytes. *Arthritis Rheum*, 60, 2612.
11. Selzner M, Selzner N, Chen L, Borozan I, Sun J, Xue-Zhong M, Zhang J, McGilvray ID. (2009) Exaggerated up-regulation of tumor necrosis factor alpha-dependent apoptosis in the older mouse liver following reperfusion injury: targeting liver protective strategies to patient age. *Liver Transpl*, 15, 1594.
12. Shi H, Guan SH. (2009) Increased apoptosis in HepG2.2.15 cells with hepatitis B virus expression by synergistic induction of interferon-gamma and tumour necrosis factor-alpha. *Liver Int*, 29, 349.
13. Sisto M, D'Amore M, Caprio S, Mitolo V, Scagliusi P, Lisi S. (2009) Tumor necrosis factor inhibitors block apoptosis of human epithelial cells of the salivary glands. *Ann N Y Acad Sci*, 1171, 407.
14. Zhang M, Zhou L. (2009) [Synergistic effects and mechanisms of combined tumor necrosis factor-related apoptosis-inducing ligand and chemotherapeutic drugs or radiotherapy in killing laryngeal squamous carcinoma cells in vitro]. *Zhonghua Er Bi Yan Hou Tou Jing Wai Ke Za Zhi*, 44, 565.
15. Chen F, Guo YB, Liu SL, Zheng DX, Liu YX. (2008) [Construction and expression of anti-tumor necrosis factor related apoptosis-inducing ligand receptor death receptor 5 chimeric antibody in eukaryotic cells]. *Zhongguo Yi Xue Ke Xue Yuan Xue Bao*, 30, 690.

16. Cianchi F, Papucci L, Schiavone N, Lulli M, Magnelli L, Vinci MC, Messerini L, Manera C, Ronconi E, Romagnani P, Donnini M, Perigli G, Trallori G, Tanganelli E, Capaccioli S, Masini E. (2008) Cannabinoid receptor activation induces apoptosis through tumor necrosis factor alpha-mediated ceramide de novo synthesis in colon cancer cells. *Clin Cancer Res*, 14, 7691.
17. Kato T, Noma H, Kitagawa M, Takahashi T, Oshitani N, Kitagawa S. (2008) Distinct role of c-Jun N-terminal kinase isoforms in human neutrophil apoptosis regulated by tumor necrosis factor-alpha and granulocyte-macrophage colony-stimulating factor. *J Interferon Cytokine Res*, 28, 235.
18. Liu J, Epand RF, Durrant D, Grossman D, Chi NW, Epand RM, Lee RM. (2008) Role of phospholipid scramblase 3 in the regulation of tumor necrosis factor-alpha-induced apoptosis. *Biochemistry*, 47, 4518.
19. Lu W, Li YH, He XF, Zhao JB, Chen Y, Mei QL. (2008) Necrosis and apoptosis in hepatocellular carcinoma following low-dose versus high-dose preoperative chemoembolization. *Cardiovasc Intervent Radiol*, 31, 1133.
20. Majumdar KN, Banerjee A, Ratha J, Mandal M, Sarkar RN, Saha KD. (2008) Leishmanial lipid suppresses tumor necrosis factor alpha, interleukin-1beta, and nitric oxide production by adherent synovial fluid mononuclear cells in rheumatoid arthritis patients and induces apoptosis through the mitochondrial-mediated pathway. *Arthritis Rheum*, 58, 696.
21. McClements M, Williams S, Ball C, Bristow A, Wadhwa M, Meager A. (2008) A novel bioassay for B-cell activating factor (BAFF) based on expression of a BAFF-receptor ectodomain-tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) receptor-2 endodomain fusion receptor in human rhabdomyosarcoma cells. *J Immunol Methods*, 337, 63.
22. Shanker A, Brooks AD, Tristan CA, Wine JW, Elliott PJ, Yagita H, Takeda K, Smyth MJ, Murphy WJ, Sayers TJ. (2008) Treating metastatic solid tumors with bortezomib and a tumor necrosis factor-related apoptosis-inducing ligand receptor agonist antibody. *J Natl Cancer Inst*, 100, 649.
23. Theas MS, Rival C, Jarazo-Dietrich S, Jacobo P, Guazzone VA, Lustig L. (2008) Tumor necrosis factor-alpha released by testicular macrophages induces apoptosis of germ cells in autoimmune orchitis. *Hum Reprod*, 23, 1865.
24. Tsukimori K, Komatsu H, Fukushima K, Kaku T, Nakano H, Wake N. (2008) Inhibition of nitric oxide synthetase at mid-gestation in rats is associated with increases in arterial pressure, serum tumor necrosis factor-alpha, and placental apoptosis. *Am J Hypertens*, 21, 477.
25. Wako M, Ohba T, Ando T, Arai Y, Koyama K, Hamada Y, Nakao A, Haro H. (2008) Mechanism of signal transduction in tumor necrosis factor-like weak inducer of apoptosis-induced matrix degradation by MMP-3 upregulation in disc tissues. *Spine (Phila Pa 1976)*, 33, 2489.
26. Yeruva L, Elegbede JA, Carper SW. (2008) Methyl jasmonate decreases membrane fluidity and induces apoptosis through tumor necrosis factor receptor 1 in breast cancer cells. *Anticancer Drugs*, 19, 766.
27. Zhang C, Cai S, Chen P, Chen JB, Wu J, Wu SJ, Zhou R. (2008) Inhibition of tumor necrosis factor-alpha reduces alveolar septal cell apoptosis in passive smoking rats. *Chin Med J (Engl)*, 121, 597.
28. Zhu DJ, Xia B, Bi Q, Zhang SJ, Qiu BS, Zhao C. (2008) Functional protection of pentoxifylline against spinal cord ischemia/reperfusion injury in rabbits: necrosis and apoptosis effects. *Chin Med J (Engl)*, 121, 2444.
29. Blanco-Colio LM, Martin-Ventura JL, Munoz-Garcia B, Orbe J, Paramo JA, Michel JB, Ortiz A, Meilhac O, Egido J. (2007) Identification of soluble tumor necrosis factor-like weak inducer of apoptosis (sTWEAK) as a possible biomarker of subclinical atherosclerosis. *Arterioscler Thromb Vasc Biol*, 27, 916.
30. Chang MC, Chan CP, Wang YJ, Lee PH, Chen LI, Tsai YL, Lin BR, Wang YL, Jeng JH. (2007) Induction of necrosis and apoptosis to KB cancer cells by sanguinarine is

- associated with reactive oxygen species production and mitochondrial membrane depolarization. *Toxicol Appl Pharmacol*, 218, 143.
31. Chowdhry MF, Vohra HA, Galinanes M. (2007) Diabetes increases apoptosis and necrosis in both ischemic and nonischemic human myocardium: role of caspases and poly-adenosine diphosphate-ribose polymerase. *J Thorac Cardiovasc Surg*, 134, 124.
 32. Chuang HC, Lay JD, Chuang SE, Hsieh WC, Chang Y, Su IJ. (2007) Epstein-Barr virus (EBV) latent membrane protein-1 down-regulates tumor necrosis factor-alpha (TNF-alpha) receptor-1 and confers resistance to TNF-alpha-induced apoptosis in T cells: implication for the progression to T-cell lymphoma in EBV-associated hemophagocytic syndrome. *Am J Pathol*, 170, 1607.
 33. Gao L, Yu S, Wu Y, Shan B. (2007) Effect of spider venom on cell apoptosis and necrosis rates in MCF-7 cells. *DNA Cell Biol*, 26, 485.
 34. Gao XD, Chen YR. (2007) Inhibition of telomerase with human telomerase reverse transcriptase antisense increases the sensitivity of tumor necrosis factor-alpha-induced apoptosis in prostate cancer cells. *Asian J Androl*, 9, 697.
 35. Gao XD, Chen YR. (2007) Inhibition of telomerase with human telomerase reverse transcriptase antisense enhances tumor necrosis factor-alpha-induced apoptosis in bladder cancer cells. *Chin Med J (Engl)*, 120, 755.
 36. Kilani RT, Mackova M, Davidge ST, Winkler-Lowen B, Demianczuk N, Guilbert LJ. (2007) Endogenous tumor necrosis factor alpha mediates enhanced apoptosis of cultured villous trophoblasts from intrauterine growth-restricted placentae. *Reproduction*, 133, 257.
 37. Leroy MJ, Dallot E, Czerkiewicz I, Schmitz T, Breuiller-Fouche M. (2007) Inflammation of choriodecidua induces tumor necrosis factor alpha-mediated apoptosis of human myometrial cells. *Biol Reprod*, 76, 769.
 38. Mironova EV, Evstratova AA, Antonov SM. (2007) A fluorescence vital assay for the recognition and quantification of excitotoxic cell death by necrosis and apoptosis using confocal microscopy on neurons in culture. *J Neurosci Methods*, 163, 1.
 39. Montesano Gesualdi N, Chirico G, Pirozzi G, Costantino E, Landriscina M, Esposito F. (2007) Tumor necrosis factor-associated protein 1 (TRAP-1) protects cells from oxidative stress and apoptosis. *Stress*, 10, 342.
 40. Nomura S, Ishii K, Inami N, Uoshima N, Ishida H, Yoshihara T, Kitayama H, Hayashi K. (2007) Role of soluble tumor necrosis factor-related apoptosis-inducing ligand concentrations after stem cell transplantation. *Transpl Immunol*, 18, 115.
 41. Pelli N, Floreani A, Torre F, Delfino A, Baragiotta A, Contini P, Basso M, Picciotto A. (2007) Soluble apoptosis molecules in primary biliary cirrhosis: analysis and commitment of the Fas and tumour necrosis factor-related apoptosis-inducing ligand systems in comparison with chronic hepatitis C. *Clin Exp Immunol*, 148, 85.
 42. Shimada O, Wu X, Jin X, Nouh MA, Fiscella M, Albert V, Matsuda T, Kakehi Y. (2007) Human agonistic antibody to tumor necrosis factor-related apoptosis-inducing ligand receptor 2 induces cytotoxicity and apoptosis in prostate cancer and bladder cancer cells. *Urology*, 69, 395.
 43. Song JJ, An JY, Kwon YT, Lee YJ. (2007) Evidence for two modes of development of acquired tumor necrosis factor-related apoptosis-inducing ligand resistance. Involvement of Bcl-xL. *J Biol Chem*, 282, 319.
 44. Tsurushima H, Yuan X, Dillehay LE, Leong KW. (2007) Radioresponsive tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) gene therapy for malignant brain tumors. *Cancer Gene Ther*, 14, 706.
 45. Uchide N, Ohyama K, Bessho T, Toyoda H. (2007) Effects of mitogen-activated protein kinase inhibitors on tumor necrosis factor-alpha gene expression and apoptosis induction in cultured human fetal membrane chorion cells infected with influenza virus. *Intervirology*, 50, 99.
 46. Yoo J, Lee YJ. (2007) Aspirin enhances tumor necrosis factor-related apoptosis-inducing ligand-mediated apoptosis in hormone-refractory prostate cancer cells through survivin down-regulation. *Mol Pharmacol*, 72, 1586.

47. Yoshida T, Maoka T, Das SK, Kanazawa K, Horinaka M, Wakada M, Satomi Y, Nishino H, Sakai T. (2007) Halocynthiaxanthin and peridinin sensitize colon cancer cell lines to tumor necrosis factor-related apoptosis-inducing ligand. *Mol Cancer Res*, 5, 615.
48. Zhou J, Zhang M, Atherton SS. (2007) Tumor necrosis factor-alpha-induced apoptosis in murine cytomegalovirus retinitis. *Invest Ophthalmol Vis Sci*, 48, 1691.
49. Baierlein SA, Distel L, Sieber R, Weiss C, Rodel C, Sauer R, Rodel F. (2006) Combined effect of tumor necrosis factor-alpha and ionizing radiation on the induction of apoptosis in 5637 bladder carcinoma cells. *Strahlenther Onkol*, 182, 467.
50. Chen Q, Casali B, Pattacini L, Boiardi L, Salvarani C. (2006) Tumor necrosis factor-alpha protects synovial cells from nitric oxide induced apoptosis through phosphoinositide 3-kinase Akt signal transduction. *J Rheumatol*, 33, 1061.
51. Das GP, Shaik AP, Jamil K. (2006) Estimation of apoptosis and necrosis caused by pesticides in vitro on human lymphocytes using DNA diffusion assay. *Drug Chem Toxicol*, 29, 147.
52. Du GJ, Lin HH, Xu QT, Wang MW. (2006) Bcl-2 switches the type of demise from apoptosis to necrosis via cyclooxygenase-2 upregulation in HeLa cell induced by hydrogen peroxide. *Cancer Lett*, 232, 179.
53. Hansen JM, Zhang H, Jones DP. (2006) Mitochondrial thioredoxin-2 has a key role in determining tumor necrosis factor-alpha-induced reactive oxygen species generation, NF-kappaB activation, and apoptosis. *Toxicol Sci*, 91, 643.
54. Kanno S, Tomizawa A, Ohtake T, Koiwai K, Ujibe M, Ishikawa M. (2006) Naringenin-induced apoptosis via activation of NF-kappaB and necrosis involving the loss of ATP in human promyeloleukemia HL-60 cells. *Toxicol Lett*, 166, 131.
55. Kuo PL, Huang YT, Chang CH, Chang JK. (2006) Fraxetin inhibits the induction of anti-Fas IgM, tumor necrosis factor-alpha and interleukin-1beta-mediated apoptosis by Fas pathway inhibition in human osteoblastic cell line MG-63. *Int Immunopharmacol*, 6, 1167.
56. Lin J, Yang JC, Tan L, Luo SQ. (2006) [Sensitization of human glioma SWO cell line to tumor necrosis factor-induced apoptosis by blocking phospholipase C-gamma1 signaling pathway]. *Nan Fang Yi Ke Da Xue Xue Bao*, 26, 266.
57. Lopez-Armada MJ, Carames B, Lires-Dean M, Cillero-Pastor B, Ruiz-Romero C, Galdo F, Blanco FJ. (2006) Cytokines, tumor necrosis factor-alpha and interleukin-1beta, differentially regulate apoptosis in osteoarthritis cultured human chondrocytes. *Osteoarthritis Cartilage*, 14, 660.
58. Lu X, Hamilton JA, Shen J, Pang T, Jones DL, Potter RF, Arnold JM, Feng Q. (2006) Role of tumor necrosis factor-alpha in myocardial dysfunction and apoptosis during hindlimb ischemia and reperfusion. *Crit Care Med*, 34, 484.
59. Luo T, Xia Z. (2006) A small dose of hydrogen peroxide enhances tumor necrosis factor-alpha toxicity in inducing human vascular endothelial cell apoptosis: reversal with propofol. *Anesth Analg*, 103, 110.
60. Okano A, Kishi H, Takahashi H, Takahashi M. (2006) Tumor necrosis factor-alpha induces apoptosis in cultured porcine luteal cells. *J Reprod Dev*, 52, 301.
61. Perego P, Ciusani E, Gatti L, Carenini N, Corna E, Zunino F. (2006) Sensitization to gimatecan-induced apoptosis by tumor necrosis factor-related apoptosis inducing ligand in prostate carcinoma cells. *Biochem Pharmacol*, 71, 791.
62. Rayala SK, Mascarenhas J, Vadlamudi RK, Kumar R. (2006) Altered localization of a coactivator sensitizes breast cancer cells to tumor necrosis factor-induced apoptosis. *Mol Cancer Ther*, 5, 230.
63. Saito K, Meyer K, Warner R, Basu A, Ray RB, Ray R. (2006) Hepatitis C virus core protein inhibits tumor necrosis factor alpha-mediated apoptosis by a protective effect involving cellular FLICE inhibitory protein. *J Virol*, 80, 4372.
64. Sandra F, Hendarmin L, Nakamura S. (2006) Osteoprotegerin (OPG) binds with tumor necrosis factor-related apoptosis-inducing ligand (TRAIL): suppression of TRAIL-induced apoptosis in ameloblastomas. *Oral Oncol*, 42, 415.
65. Tian JQ, Wang ZP, Rodriguez R, Fu JS, Lu JZ, Ma BL. (2006) In vitro enhanced cytotoxicity of tumor-infiltrating lymphocytes transfected with tumor necrosis factor-related

- apoptosis-inducing ligand and/or interleukin-2 gene in human renal cell carcinoma. *Urology*, 67, 1093.
66. Toyota H, Kondo S, Kyo S, Mizuguchi J. (2006) Enforced expression of a truncated form of Bax-alpha (tBax) driven by human telomerase reverse transcriptase (hTERT) promoter sensitizes tumor cells to chemotherapeutic agents or tumor necrosis factor-related apoptosis-inducing ligand (TRAIL). *Anticancer Res*, 26, 99.
 67. Yeow WS, Baras A, Chua A, Nguyen DM, Sehgal SS, Schrupp DS. (2006) Gossypol, a phytochemical with BH3-mimetic property, sensitizes cultured thoracic cancer cells to Apo2 ligand/tumor necrosis factor-related apoptosis-inducing ligand. *J Thorac Cardiovasc Surg*, 132, 1356.
 68. Yoo J, Kim HR, Lee YJ. (2006) Hyperthermia enhances tumour necrosis factor-related apoptosis-inducing ligand (TRAIL)-induced apoptosis in human cancer cells. *Int J Hyperthermia*, 22, 713.
 69. Chen XP, He SQ, Zhao X, Huang ZY, Li CH. (2005) [Chinese medicine Extractum trametes robiniophila murr augment tumor necrosis factor related apoptosis-inducing ligand induced apoptosis in human hepatic cancer cell lines]. *Zhonghua Wai Ke Za Zhi*, 43, 1524.
 70. Kafoury RM, Madden MC. (2005) Diesel exhaust particles induce the over expression of tumor necrosis factor-alpha (TNF-alpha) gene in alveolar macrophages and failed to induce apoptosis through activation of nuclear factor-kappaB (NF-kappaB). *Int J Environ Res Public Health*, 2, 107.
 71. Saitou Y, Shiraki K, Yamanaka T, Miyashita K, Inoue T, Yamanaka Y, Yamaguchi Y, Enokimura N, Yamamoto N, Itou K, Sugimoto K, Nakano T. (2005) Augmentation of tumor necrosis factor family-induced apoptosis by E3330 in human hepatocellular carcinoma cell lines via inhibition of NF kappa B. *World J Gastroenterol*, 11, 6258.
 72. Turina M, Miller FN, McHugh PP, Cheadle WG, Polk HC, Jr. (2005) Endotoxin inhibits apoptosis but induces primary necrosis in neutrophils. *Inflammation*, 29, 55.
 73. Zhivotosky B, Orrenius S. (2001) Assessment of apoptosis and necrosis by DNA fragmentation and morphological criteria. *Curr Protoc Cell Biol*, Chapter 18, Unit 18 3.