



碧云天生物技术/Beyotime Biotechnology
 订货热线: 400-1683301 或 800-8283301
 订货 e-mail: order@beyotime.com
 技术咨询: info@beyotime.com
 网址: http://www.beyotime.com

细胞凋亡阳性对照试剂盒

产品编号	产品名称	包装
C0005	细胞凋亡阳性对照试剂盒	200次

产品简介:

- 细胞凋亡阳性对照试剂盒(Apoptosis Inducers Kit)含有两种不同的细胞凋亡诱导试剂, 试剂A和试剂B。细胞凋亡诱导试剂A(Apoptosis Incucer A, 即Apopida)和试剂B(Apoptosis Inducer B, 即Apobid)分别可以诱导Hela、HEK293、CHO、COS等常见细胞的细胞凋亡。
- 由于细胞凋亡的诱导具有细胞特异性, 细胞凋亡的机制也具有一定的细胞特异性, 尽管细胞凋亡诱导试剂A和试剂B可以诱导常见的一些细胞的细胞凋亡, 但是无法保证这两种试剂可以诱导任何一种细胞发生凋亡。
- 细胞凋亡诱导试剂A和试剂B相互补充, 可以诱导更多种类的细胞产生凋亡。
- 本试剂盒至少可用于检测200个样品。

包装清单:

产品编号	产品名称	包装
C0005-1	细胞凋亡诱导试剂A	200μl
C0005-2	细胞凋亡诱导试剂B	200μl
—	说明书	1份

保存条件:

-20°C保存, 一年有效。

注意事项:

- 对于不同的细胞, 需要摸索细胞凋亡诱导试剂的不同浓度和诱导时间。
- 本产品仅限于专业人员的科学研究用, 不得用于临床诊断或治疗, 不得用于食品或药品, 不得存放于普通住宅内。
- 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

使用说明:

1. 对于待诱导凋亡的培养细胞, 分别按照与细胞培养液的体积比1:1000, 1:2000和1:3000的比例把细胞凋亡诱导试剂A或试剂B加入到培养液中。
2. 4、8、12、16或24小时后观察细胞凋亡的情况。通常16或24小时后, 在光学显微镜下可以看到明显的细胞形态的变化, 此时应该可以检测到非常明显的细胞凋亡。
3. 根据初步的实验结果确定一个比较适当的细胞凋亡诱导试剂以及诱导浓度和诱导时间。万一诱导效果不佳, 可以把细胞凋亡诱导试剂A或试剂B同时按照1:1000, 1:2000和1:3000的比例加入到细胞培养液中, 以期通过两种不同的试剂同时作用而诱导细胞凋亡。
4. 如果需要在体内诱导细胞凋亡, 请自行尝试。

使用本产品的文献:

1. Bo J, Yang G, Huo K, Jiang H, Zhang L, Liu D, Huang Y. microRNA-203 suppresses bladder cancer development by repressing bcl-w expression. FEBS J. 2011 Mar;278(5):786-92.
2. Zhang JJ, Zheng TT, Cheng FF, Zhang JR, Zhu JJ. Toward the early evaluation of therapeutic effects: an electrochemical platform for ultrasensitive detection of apoptotic cells. Anal Chem. 2011 Oct 15;83(20):7902-9.
3. Xue X, You S, Zhang Q, Wu Y, Zou GZ, Wang PC, Zhao YL, Xu Y, Jia L, Zhang X, Liang XJ. Mitaplatin increases sensitivity of tumor cells to cisplatin by inducing mitochondrial dysfunction. MOL PHARMACOL. 2012 Mar 5;9(3):634-44.
4. Wang P, Ren Z, Sun P. Overexpression of the long non-coding RNA MEG3 impairs in vitro glioma cell proliferation. J Cell Biochem. 2012 Jun;113(6):1868-74.
5. Yang F, Bi J, Xue X, Zheng L, Zhi K, Hua J, Fang G. Up-regulated long non-coding RNA H19 contributes to proliferation of gastric cancer cells. FEBS J. 2012 Sep;279(17):3159-65.
6. Sun DQ, Wang Y, Liu DG. Cancer cell growth suppression by a 62nt AU-rich RNA from C/EBPβ 3'UTR through competitive binding with HuR. BIOCHEM BIOPH RES CO. 2012 Sep 14;426(1):122-8.
7. Yang F, Sun X, Shen J, Yu LP, Liang JY, Zheng HQ, Wu ZD. A recombinant protein (rSj16) derived from Schistosoma japonicum induces cell cycle arrest and apoptosis of murine myeloid leukemia cells. Parasitol Res. 2013 Mar;112(3):1261-72.
8. Fang XQ, Liu XF, Yao L, Chen CQ, Gu ZD, Ni PH, Zheng XM, Fan QS. Somatic mutational analysis of FAK in breast cancer: a novel gain-of-function mutation due to deletion of exon 33. BIOCHEM BIOPH RES CO. 2014 Jan 10;443(2):363-9.

9. Qin Y, Chen Y, Wang W, Wang Z, Tang G, Zhang P, He Z, Liu Y, Dai SM, Shen Q. HMGB1-LPS complex promotes transformation of osteoarthritis synovial fibroblasts to a rheumatoid arthritis synovial fibroblast-like phenotype. *Cell Death Dis* . 2014 Feb 20;5:e1077.
10. Zhou Z, Peng L, Wang X, Xiang Y, Tong A. A new colorimetric strategy for monitoring caspase 3 activity by HRP-mimicking DNzyme-peptide conjugates. *Analyst* . 2014 Mar 7;139(5):1178-83
11. Chen H, Zhang J, Gao Y, Liu S, Koh K, Zhu X, Yin Y. Sensitive cell apoptosis assay based on caspase-3 activity detection with graphene oxide-assisted electrochemical signal amplification. *Biosens Bioelectron* . 2015 Jun 15;68:777-82.
12. Wang L, Wang L, Zhang D, Jiang Q, Sun R, Wang H, Zhang H, Song L. A novel multi-domain C1qDC protein from Zhikong scallop *Chlamys farreri* provides new insights into the function of invertebrate C1qDC proteins. *Dev Comp Immunol* . 2015 Oct;52(2):202-14.
13. Dong YP, Chen G, Zhou Y, Zhu JJ. Electrochemiluminescent Sensing for Caspase-3 Activity Based on Ru(bpy)₃(2+)-Doped Silica Nanoprobe. *Anal Chem* . 2016 Feb 2;88(3):1922-9
14. Zhang H, Zhao G, Guo Y, Menghwar H, Chen Y, Chen H, Guo A. *Mycoplasma bovis* MBOV_RS02825 Encodes a Secretory Nuclease Associated with Cytotoxicity. *Int J Mol Sci* . 2016 Apr 29;17(5): pii: E628.
15. Chen P, Wang H, He M, Chen B, Yang B, Hu B. Size-dependent cytotoxicity study of ZnO nanoparticles in HepG2 cells. *ECOTOX ENVIRON SAFE*. 2019 Apr 30;171:337-346.
16. Li S, Ma F, Pang X, Tang B, Lin L. Synthesis of chondroitin sulfate magnesium for osteoarthritis treatment. *CARBOHYD POLYM*. 2019 May 15;212:387-394
17. Zhang M, Liu S, Fu C, Wang X, Zhang M, Liu G, Dai C, Gong Z, Xu H, Fu Z, Xu P, Xu J, Jia X. LncRNA KB-1471A8.2 Overexpression Suppresses Cell Proliferation and Migration and Antagonizes the Paclitaxel Resistance of Ovarian Cancer Cells. *CANCER BIOTHER RADIO*. 2019 Jun;34(5):316-324
18. Gao H, Chen J, Ding F, Chou X, Zhang X, Wan Y, Hu J, Wu Q. Activation of the N-methyl-D-aspartate receptor is involved in glyphosate-induced renal proximal tubule cell apoptosis. *J Appl Toxicol*. 2019 Aug;39(8):1096-1107
19. Diao H, Cheng N, Zhao Y, Xu H, Dong H, Thamm DH, Zhang D, Lin D. Ivermectin inhibits canine mammary tumor growth by regulating cell cycle progression and WNT signaling. *BMC Vet Res*. 2019 Aug 2;15(1):276
20. Ji Yu, Anneng Yang, Naixiang Wang, Haifeng Ling, Jiajun Song, Xi Chen, Yadong Lian, Zhishan Zhang, Feng Yan, Min Gu. Highly sensitive detection of caspase-3 activity based on peptide-modified organic electrochemical transistor biosensors. *Nanoscale*. 2021 Feb 7;13(5):2868-2874.
21. Zhuochao Liu, Hongyi Wang, Chuazhen Hu, Chuanlong Wu, Jun Wang, Fangqiong Hu, Yucheng Fu, Junxiang Wen, Weibin Zhang. Targeting autophagy enhances atezolizumab-induced mitochondria-related apoptosis in osteosarcoma. *Cell Death Dis*. 2021 Feb 8;12(2):164.
22. Jingquan Li, Zihao Zhang, Xu Feng, Zhuqing Shen, Ji Sun, Xiwen Zhang, Fengjiao Bu, Midie Xu, Cong Tan, Ziliang Wang. Stanniocalcin-2 promotes cell EMT and glycolysis via activating ITGB2/FAK/SOX6 signaling pathway in nasopharyngeal carcinoma. *Cell Biol Toxicol*. 2022 Apr;38(2):259-272.
23. Sujuan Xu, Genmei Jia, Huilin Zhang, Luyao Wang, Yu Cong, Mingming Lv, Juan Xu, Hongjie Ruan, Xuemei Jia, Pengfei Xu, Yingwei Wang. LncRNA HOXB-AS3 promotes growth, invasion and migration of epithelial ovarian cancer by altering glycolysis. *Life Sci*. 2021 Jan 1;264:118636.
24. Hongqing Chen, Fei Fei, Xinda Li, Zhenguo Nie, Dezhi Zhou, Libiao Liu, Jing Zhang, Haitao Zhang, Zhou Fei, Tao Xu. A structure-supporting, self-healing, and high permeating hydrogel bioink for establishment of diverse homogeneous tissue-like constructs. *Bioact Mater*. 2021 Mar 23;6(10):3580-3595.
25. Hongqing Chen, Fei Fei, Xinda Li, Zhenguo Nie, Dezhi Zhou, Libiao Liu, Jing Zhang, Haitao Zhang, Zhou Fei, Tao Xu. A facile, versatile hydrogel bioink for 3D bioprinting benefits long-term subaqueous fidelity, cell viability and proliferation. *Regen Biomater*. 2021 Jun 14;8(3):rbab026.
26. Zhen-Jie Wang, Shao-Meng Yu, Jiang-Mei Gao, Peng Zhang, Geoff Hide, Masahiro Yamamoto, De-Hua Lai, Zhao-Rong Lun. High resistance to *Toxoplasma gondii* infection in inducible nitric oxide synthase knockout rats. *iScience*. 2021 Oct 15;24(11):103280.
27. Jingxuan Chen, Yunpeng Shen, Bowen Wu, Peichang Yang, Gangchun Sun, Xiaoting Liu, Pengfei Qiang, Yamei Gao, Fangfang Sha, Zirui Li, Lu Zhang. CUR5g, a novel autophagy inhibitor, exhibits potent synergistic anticancer effects with cisplatin against non-small-cell lung cancer. *Cell Death Discov*. 2022 Oct 31;8(1):435.
28. Min Zhang, Yu Sun, Hanzhi Xu, Yaqian Shi, Rong Shen, Fang Teng, Juan Xu, Xuemei Jia. Circular RNA hsa_circ_0007444 inhibits ovarian cancer progression through miR-23a-3p/DICER1 axis. *Acta Biochim Biophys Sin (Shanghai)*. 2023 Apr 13;55(4):574-586.

Version 2023.12.04