

CHAMOT

**Annexin V-iFluor 488/PI Apoptosis Detection Reagent 细胞凋亡
检测试剂盒**

CM001-50D

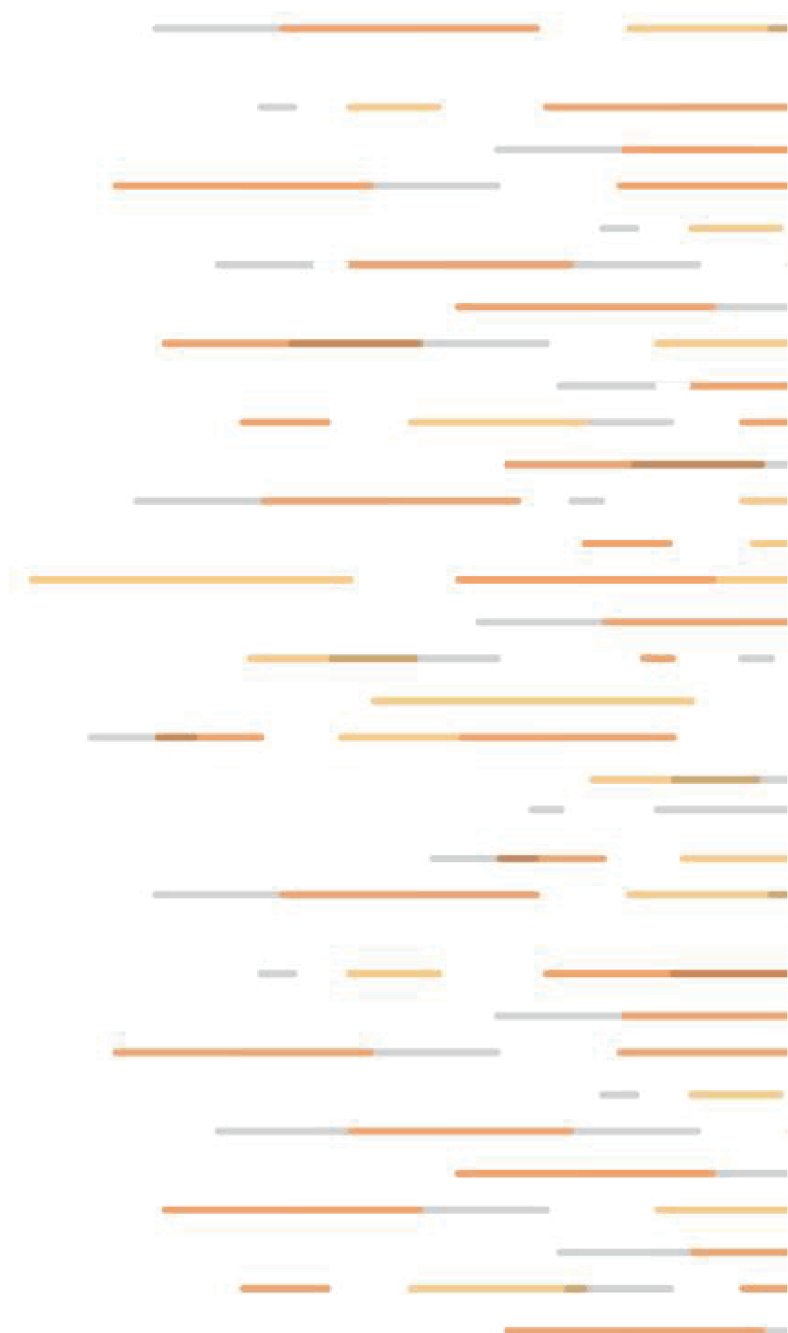
CM001-100D



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Annexin V-iFluor 488/PI Apoptosis Detection Reagent 细胞凋亡检测试剂盒

产品编号	规格
CM001-50D	50 rxn
CM001-100D	100 rxn

产品简介

背景描述

Annexin V 是一种钙离子依赖性磷脂结合蛋白，与磷脂酰丝氨酸 PS 有高度亲和力，可通过细胞外侧暴露的 PS 与凋亡早期细胞膜结合，将 Annexin V 标记荧光染料 iFluor488(Ex:488nm, Em:514nm)，利用流式细胞仪或荧光显微镜可检测细胞凋亡。PI 是一种细胞核染料，搭配 Annexin V 使用可将处于不同凋亡时期的细胞区分开。

产品应用

Apoptosis Assays

产品使用

试剂盒组分	CM001-50D	CM001-100D
Annexin V-iFluor 488	1×0.25 mL	1×0.5 mL
PI Solution	1×0.25 mL	1×0.5 mL
10×Binding Buffer	2×2 mL	3×2 mL

本试剂盒可应用于培养细胞凋亡检测（不推荐用于检测组织样本）。

流式细胞实验操作步骤：

1. 悬浮细胞离心（2000 rpm离心5分钟）收集；贴壁细胞用不含 EDTA 的胰酶消化收集。
2. 用PBS洗涤细胞两次（2000 rpm离心5分钟）收集 $1-5 \times 10^6$ 细胞。
3. 用去离子水按照1:9稀释Binding Buffer（1 ml 10×Binding Buffer+9 ml 去离子水）。
4. 加入500 μ L 1×Binding Buffer重悬细胞。
5. 加入5 μ L AnnexinV-iFluor488混匀后加入5 μ L PI混匀，室温避光反应15-20分钟。
6. 孵育后将样本置于冰上，准备进行流式检测。

产品储存/运输

储存

4℃避光，有效期两年

运输

蓝冰

文献引用

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- Anti-lung cancer synergy of low-dose doxorubicin and PD-L1 blocker co-delivered via mild photothermia-responsive black phosphorus. *Drug Deliv Transl Res.* 2024 Apr 10. (IF 5.4)
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- Accelerated differentiation of photothermal effect-induced mesenchymal stem cells regulated by activating HSP90-autophagy boosts wound repair.

Int J Pharm. 2025 May 15;676:125631. (IF 5.77)

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491