

Tubulin-Tracker Red (抗体法微管红色荧光探针)

产品编号	产品名称	包装
C1050	Tubulin-Tracker Red (抗体法微管红色荧光探针)	40μl

产品简介:

- Tubulin-Tracker Red是一种Tubulin红色荧光探针，可以用于培养细胞或组织切片的Tubulin特异性荧光染色。
- 本Tubulin-Tracker Red探针为荧光染料Alexa Fluor 555标记的抗 α -Tubulin小鼠单克隆抗体(克隆号为DM1A)，可以识别 α -Tubulin的426-450aa。可以用于人、小鼠、大鼠、牛、猪、豚鼠和禽类(avian)样品 α -Tubulin的检测。最大激发波长为555nm，最大发射波长为565nm。Alexa Fluor 555的荧光光谱和Cy3非常接近，可以用Cy3的检测条件进行检测。
- 本产品可以用于细胞或组织内的微管(microtubule)的荧光检测。可以用于荧光显微镜观察，也可用于流式细胞仪检测。使用本产品染色细胞内微管的效果请参考图1。

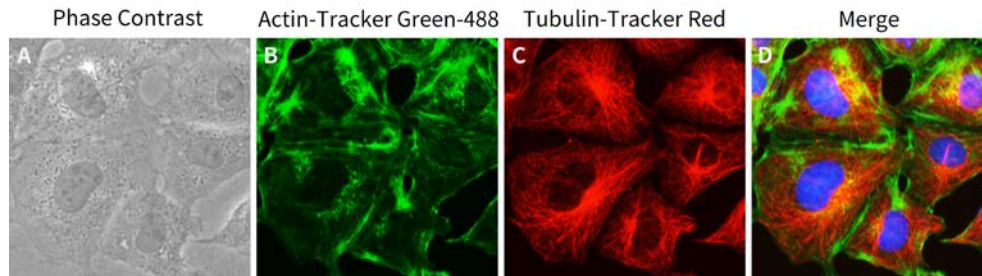


图1. Tubulin-Tracker Red对NRK-52E细胞(大鼠肾小管上皮细胞)的染色效果。图A为明场下大鼠肾小管上皮细胞形态图；绿色荧光为Actin-Tracker Green-488 (C2201S)染色的微丝(图B)，红色荧光为Tubulin-Tracker Red染色的微管(图C)，图D为Tubulin-Tracker Red、Actin-Tracker Green-488及Hoechst 33342三重染色的叠加图。实测数据会因实验条件、检测仪器等的不同而存在差异，图中数据仅供参考。

- 本产品使用时的推荐稀释比例为1:50-100，共可以配制2-4ml染色液。如果每个片子需要使用100μl染色工作液，每个包装的本产品足够用于20-40个片子的染色。

包装清单:

产品编号	产品名称	包装
C1050	Tubulin-Tracker Red (抗体法微管红色荧光探针)	40μl
—	说明书	1份

保存条件:

-20°C避光保存，1年有效。

注意事项:

- 对于微量的液体，每次使用前先离心数秒钟，使液体充分沉降到管底。
- 荧光染料均存在淬灭问题，请尽量注意避光，以减缓荧光淬灭。
- 需自备盖玻片和载玻片(可以向碧云天订购)。
- 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:

- 固定细胞或组织切片的荧光染色:
 - 用PBS洗涤细胞或组织切片2次。
 - 用碧云天的免疫染色固定液(P0098)或PBS配制的3.7%甲醛溶液室温固定细胞或组织切片约10-20分钟。
 - 用碧云天的免疫染色洗涤液(P0106)或含0.1% Triton X-100的PBS洗涤2-3次，每次5分钟。
 - 用碧云天的免疫荧光染色二抗稀释液(P0108)或含有1-5%BSA和0.1% Triton X-100的PBS按照1:50-100的比例稀释Tubulin-Tracker Red，例如4μl Tubulin-Tracker Red用0.2ml或0.4ml稀释液稀释，稀释后的溶液即为Tubulin-Tracker Red染色工作液。稀释比例可以根据实际染色效果进行适当调整。
 - 把Tubulin-tracker Red染色工作液按照约每个片子100μl的比例滴加到片子上，室温避光孵育30-60分钟。为防止蒸发，孵育

时最好将片子置于载玻片染色盒中，载玻片染色盒(FSR958)可以向碧云天订购。

- f. 用碧云天的免疫染色洗涤液(P0106)或含0.1% Triton X-100的PBS洗涤2-4次，每次5分钟。
 - g. 随后可以直接用荧光显微镜进行观察。也可以用抗荧光淬灭封片液封片后保存和观察。
2. 流式细胞仪检测:
- a. 每个样品收集约20-50万细胞。
 - b. PBS洗涤一次。
 - c. 用碧云天的免疫染色固定液(P0098)或PBS配制的3.7%甲醛溶液室温固定细胞约10-20分钟。
 - d. 用碧云天的免疫染色洗涤液(P0106)或含0.1% Triton X-100的PBS洗涤2-3次，每次5分钟。
 - e. 用碧云天的免疫荧光染色二抗稀释液(P0108)或含有1-5%BSA和0.1% Triton X-100的PBS重悬细胞，然后按照1:50-100的比例加入Tubulin-Tracker Red。例如1 μ l Tubulin-Tracker Red加入到50-100 μ l细胞悬液中。Tubulin-Tracker Red稀释比例可以根据实际染色效果进行适当调整。
 - f. 室温避光孵育1小时。
 - g. 用碧云天的免疫染色洗涤液(P0106)或含0.1% Triton X-100的PBS洗涤2-3次，每次5分钟。随后即可进行流式细胞仪分析。

相关产品:

产品编号	产品名称	包装
C1002	DAPI	5mg/ml \times 0.2ml
C1005/C1006	DAPI 染色液	10ml/50ml
C1011	Hoechst 33258	10mg
C1017/C1018	Hoechst 33258 染色液	10ml/50ml
C1022	Hoechst 33342	10mg
C1025/C1026	Hoechst 33342 染色液	10ml/50ml
C1027/C1028/C1029	Hoechst 33342 活细胞染色液(100X)	0.1ml/0.5ml/3ml
C1033	Actin-Tracker Green (微丝绿色荧光探针)	0.2ml
C1036	DiI (细胞膜红色荧光探针)	10mg
C1038	DiO (细胞膜绿色荧光探针)	10mg
C1039-10mg	DiD (细胞膜远红外荧光探针)	10mg
C1041	ER-Tracker Red (内质网红色荧光探针)	20 μ l
C1042S	ER-Tracker Green (内质网绿色荧光探针)	20 μ l
C1043	Golgi-Tracker Red (高尔基体红色荧光探针)	1mg
C1045S	Golgi-Tracker Green (高尔基体绿色荧光探针)	1mg
C1046	Lyso-Tracker Red (溶酶体红色荧光探针)	50 μ l
C1047S	Lyso-Tracker Green (溶酶体绿色荧光探针)	50 μ l
C1048	Mito-Tracker Green (线粒体绿色荧光探针)	50 μ g
C1049B-50 μ g	Mito-Tracker Red CMXRos (线粒体红色荧光探针)	50 μ g
C1049B-250 μ g	Mito-Tracker Red CMXRos (线粒体红色荧光探针)	50 μ g \times 5
C1050	Tubulin-Tracker Red (抗体法微管红色荧光探针)	40 μ l
C1051S	Tubulin-Tracker Green (抗体法微管绿色荧光探针)	40 μ l
C1991S	细胞膜红色荧光染色试剂盒(DiI)	200-1000次
C1993S	细胞膜绿色荧光染色试剂盒(DiO)	200-1000次
C1995S	细胞膜远红外荧光染色试剂盒(DiD)	200-1000次
C2005	JC-1	1mg
C2007	Rhodamine 123	5mg

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Version 2024.03.12