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AF488标记山羊抗兔IgG (H+L)

产品编号	产品名称	包装
A0423	AF488标记山羊抗兔IgG (H+L)	100μl

产品简介:

- 本AF488标记山羊抗兔IgG (H+L) (AF488-labeled Goat Anti-Rabbit IgG (H+L))为进口分装, 用于免疫荧光染色。
- AF染料是一系列由香豆素(Coumarin)、罗丹明(Rhodamine)、黄嘌呤(Xanthene)和花青(Cyanine)等传统染料经磺化(Sulfonation)和额外的化学修饰而合成的荧光染料, 由Molecular Probes公司研发并注册了商标Alexa Fluor。相应的荧光探针例如Alexa Fluor 488常被简称为AF488, 甚至直接被简称为488。AF系列染料具有以下优点: 家族成员众多, 激发和发射光谱跨越可见光到红外光, 具有蓝色到红色各种荧光颜色, 可选择性强; 相较于合成AF的原始染料, 磺化使染料带负电并具有亲水性, 无需使用有机溶剂即可与靶标偶联, 所得偶联物在储存期内不易沉淀; 化学修饰提高了染料的性能, 使染料具有更好的光稳定性和信号强度, 用户有更多的时间采集、捕捉荧光信号, 也更适合低丰度靶标的检测; 具有优良的生物相容性和低毒性[1]; pH敏感性更低, 在4-10的宽pH范围内保持高荧光强度, 化学稳定性强。AF系列染料可广泛用作抗体和其它蛋白质的标记, 是荧光显微镜、流式细胞术、荧光酶标仪等基于荧光的应用中的最常用的一类荧光染料。
- AF488是一种常用的非常明亮的绿色荧光探针。它比绝大部分常用的绿色荧光探针更加明亮, 更加不容易淬灭, 而且背景更低。AF488的荧光光谱与FITC和Cy2比较接近。AF488的吸收(激发)和发射峰参见下表。

Fluorophore	Absorption Peak (nm)	Emission Peak (nm)
AF488	495	519

- 本抗体为用纯化的兔IgG免疫山羊, 然后用亲和纯化柱对获得的抗血清进行纯化, 并经过人IgG、小鼠IgG和大鼠IgG吸附纯化的优质二抗。对人IgG、小鼠IgG和大鼠IgG几乎没有结合能力。特别适合于对于二抗种属特异性要求比较高的荧光染色实验。
- 本AF488标记山羊抗兔IgG (H+L)用于免疫荧光染色时的推荐稀释比例为1:500。实际实验操作过程中需根据抗原和抗体的具体情况适当调节荧光标记二抗的稀释比例, 推荐的调节范围为1:200-1000。
- 本抗体如果用于常规的免疫染色, 以每次检测需1毫升1:500稀释的荧光标记二抗计, 至少可以检测50次。如果适当重复使用已经使用过的荧光标记二抗, 至少可以多检测150-250次。

包装清单:

产品编号	产品名称	包装
A0423	AF488标记山羊抗兔IgG (H+L)	100μl
—	说明书	1份

保存条件:

-20°C避光保存, 一年有效。

注意事项:

- 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. 免疫荧光染色请参考相关实验步骤进行。起始稀释浓度按照产品简介中推荐的稀释比例进行稀释。
2. 如果希望重复使用稀释的荧光标记二抗, 稀释的荧光标记二抗4°C保存。

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