



抗人 CD45 流式单抗(iFluor™488)[9.4]

货号: ZX041R1-025; ZX041R1-100 种属反应: 人 CD45 蛋白
抗体亚型: mouse/IgG2a 荧光标记染料: iFluor™488 (Ex 499nm/ Em 520nm)
抗体来源: 杂交瘤细胞 (9.4) 悬浮培养, 亲和层析纯化
保存液成分: PBS pH7.4, 0.01% NaN₃
应用: 免疫荧光, 流式细胞检测
包装规格: 25μg/支 (100μg/支), 0.5mg/mL 贮存运输: 2~8℃, 避光 保质期: 2 年
使用方法: 每 100μL 反应体系 (10⁶ 个细胞) 加入 1μL 抗体, 即 1:100 稀释。建议优化稀释比例。

简介:

本公司抗体产品经先进的杂交瘤细胞 (或 CHO 细胞) 无血清悬浮培养技术表达, 避免腹水表达中宿主抗体的污染。经亲和层析纯化, 抗体纯度可达 95% 以上, 且可保持较高的抗体活性。本产品单克隆抗体 (9.4) 可特异性结合人细胞表面蛋白 CD45, 并经 iFluor™488 标记。

注意事项: 本试剂只适用于科研应用, 不可用于临床检测。

参考文献:

1. Windheim M, Southcombe JH, Kremmer E, et al. A unique secreted adenovirus E3 protein binds to the leukocyte common antigen CD45 and modulates leukocyte functions. *Proc Natl Acad Sci U S A*. 2013;110(50):E4884–E4893.
2. Thiel N, Zischke J, Elbasani E, Kay-Fedorov P, Messerle M. Viral interference with functions of the cellular receptor tyrosine phosphatase CD45. *Viruses*. 2015;7(3):1540–1557. Published 2015 Mar 23.
3. Bakalar MH, Joffe AM, Schmid EM, Son S, Podolski M, Fletcher DA. Size-Dependent Segregation Controls Macrophage Phagocytosis of Antibody-Opsonized Targets. *Cell*. 2018;174(1):131–142.e13.
4. Ramakrishnan V, Kimlinger T, Haug J, et al. TG101209, a novel JAK2 inhibitor, has significant in vitro activity in multiple myeloma and displays preferential cytotoxicity for CD45+ myeloma cells. *Am J Hematol*. 2010;85(9):675–686.

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Anti-Human CD45 Monoclonal Antibody (iFluor™488) [9.4]

Catalog: ZX041R1-025; ZX041R1-100 **Antigen:** Against Human CD45
Antibody Host: mouse/IgG2a **Fluorescent Labeling Dye:** iFluor™488 (Ex 499nm/ Em 520nm)
Antibody Origin: Hybridomas (Clone: 9.4) Culture, Affinity Purification
Formulation: PBS pH7.4, 0.01% NaN₃
Application: FC (Flow Cytometry), IF (Immunofluorescence)
Package Specification: 25µg/Vial(100µg/Vial), 0.5mg/mL **Guarantee Period:** 2 years
Storage & Handling: stored between 2°C and 8°C, protected from light exposure. **Do not freeze.**
Recommended Usage: ≤1 µL /10⁶ cells in 100 µl volume per test (Maximum dilution 1:100)

Product Information:

To improve the quality of monoclonal antibodies for research purpose, ZXBio develops novel cell culturing technologies to grow hybridomas/CHO cells in serum-free condition. This method is superior to traditional ascites production method, which always contaminates the purified antibodies with host proteins. Using affinity purification, ZXBio is able to purify monoclonal antibodies at a purity higher than 95%.

Anti-Human CD45 Monoclonal Antibody [9.4] specifically binds mouse T cell membrane CD45 surface antigen and the product is labeled with iFluor™488.

Application Notes: For research use only, Not for use in diagnostic procedures.

Reference:

- 1.Windheim M, Southcombe JH, Kremmer E, et al. A unique secreted adenovirus E3 protein binds to the leukocyte common antigen CD45 and modulates leukocyte functions. Proc Natl Acad Sci U S A. 2013;110(50):E4884–E4893.
- 2.Thiel N, Zischke J, Elbasani E, Kay-Fedorov P, Messerle M. Viral interference with functions of the cellular receptor tyrosine phosphatase CD45. Viruses. 2015;7(3):1540–1557. Published 2015 Mar 23.
- 3.Bakalar MH, Joffe AM, Schmid EM, Son S, Podolski M, Fletcher DA. Size-Dependent Segregation Controls Macrophage Phagocytosis of Antibody-Opsonized Targets. Cell. 2018;174(1):131–142.e13.
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