



# 抗小鼠 CD44(pgp-1)流式单抗(PE)[IM7]

货号: ZX028PE-025; ZX028PE-100      种属反应: 小鼠 CD44(pgp-1)蛋白  
抗体亚型: Rat/IgG2b,kappa      荧光标记染料: PE (Ex 564nm/ Em 574nm)  
抗体来源: 杂交瘤细胞 (IM7) 悬浮培养, 亲和层析纯化  
保存液成分: PBS pH7.4, 0.01% NaN<sub>3</sub>  
应用: 免疫荧光, 流式细胞检测  
包装规格: 25μg/支 (100μg/支), 0.25mg/mL      贮存运输: 2~8°C, 避光      保质期: 2 年  
使用方法: 每 100μL 反应体系 (10<sup>6</sup> 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 (IM7) 可特异性结合小鼠细胞表面蛋白 CD44 (pgp-1), 并经 PE 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. Jokela T, Oikari S, Takabe P, et al. Interleukin-1 $\beta$ -induced Reduction of CD44 Ser-325 Phosphorylation in Human Epidermal Keratinocytes Promotes CD44 Homomeric Complexes, Binding to Ezrin, and Extended, Monocyte-adhesive Hyaluronan Coats. *J Biol Chem.* 2015;290(19):12379–12393. doi:10.1074/jbc.M114.620864
2. Olofsson B, Porsch H, Heldin P. Knock-down of CD44 regulates endothelial cell differentiation via NF $\kappa$ B-mediated chemokine production. *PLoS One.* 2014;9(3):e90921. Published 2014 Mar 10. doi:10.1371/journal.pone.0090921
3. Nikitovic D, Kouvidi K, Karamanos NK, Tzanakakis GN. The roles of hyaluronan/RHAMM/CD44 and their respective interactions along the insidious pathways of fibrosarcoma progression. *Biomed Res Int.* 2013;2013:929531. doi:10.1155/2013/929531
4. Yang C, Cao M, Liu H, et al. The high and low molecular weight forms of hyaluronan have distinct effects on CD44 clustering. *J Biol Chem.* 2012;287(51):43094–43107. doi:10.1074/jbc.M112.349209

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## Anti-Mouse CD44(pgp-1) Monoclonal Antibody (PE) [IM7]

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**Catalog:** ZX028PE-025; ZX028PE-100      **Antigen:** Against Mouse CD44(pgp-1)  
**Antibody Host:** Rat/IgG2b,kappa      **Fluorescent Labeling Dye:** PE (Ex 564nm/ Em 574nm)  
**Antibody Origin:** Hybridomas (Clone: IM7) Culture, Affinity Purification  
**Formulation:** PBS pH7.4, 0.01% NaN<sub>3</sub>  
**Application:** FC (Flow Cytometry), IF (Immunofluorescence)  
**Package Specification:** 25µg/Vial(100µg/Vial), 0.25mg/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 /10<sup>6</sup> 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-Mouse CD44(pgp-1) Monoclonal Antibody [IM7] specifically binds mouse T cell membrane CD44(pgp-1) surface antigen and the product is labeled with PE.

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

### Reference:

1. Jokela T, Oikari S, Takabe P, et al. Interleukin-1 $\beta$ -induced Reduction of CD44 Ser-325 Phosphorylation in Human Epidermal Keratinocytes Promotes CD44 Homomeric Complexes, Binding to Ezrin, and Extended, Monocyte-adhesive Hyaluronan Coats. *J Biol Chem.* 2015;290(19):12379–12393. doi:10.1074/jbc.M114.620864
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