

Datasheet: MCA1014F

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| Description: | MOUSE ANTI MOUSE CD44:FITC |
| Specificity: | CD44 |
| Other names: | H-CAM, PGP-1 |
| Format: | FITC |
| Product Type: | Monoclonal Antibody |
| Clone: | 5035-41.1D |
| Isotype: | IgG1 |
| Quantity: | 0.1 mg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|----------------|-----|----|----------------|--------------------|
| Flow Cytometry | ▪ | | | Neat |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

| Target Species | Mouse | | | | | | |
|---------------------------------------|--|-------------------|---------------------|-------------------|------|-----|-----|
| Product Form | Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid | | | | | | |
| Max Ex/Em | <table border="1"> <thead> <tr> <th>Fluorophore</th> <th>Excitation Max (nm)</th> <th>Emission Max (nm)</th> </tr> </thead> <tbody> <tr> <td>FITC</td> <td>490</td> <td>525</td> </tr> </tbody> </table> | Fluorophore | Excitation Max (nm) | Emission Max (nm) | FITC | 490 | 525 |
| Fluorophore | Excitation Max (nm) | Emission Max (nm) | | | | | |
| FITC | 490 | 525 | | | | | |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant | | | | | | |
| Buffer Solution | Phosphate buffered saline | | | | | | |
| Preservative | 0.09% Sodium Azide | | | | | | |
| Stabilisers | 1% Bovine Serum Albumin | | | | | | |
| Approx. Protein Concentrations | IgG concentration 0.1mg/ml | | | | | | |

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|--------------------------------------|--|
| Immunogen | Spleen cells from B6PL-Ly-2a / Ly-3a B6-Ly-1a mice. |
| External Database Links | <p>UniProt: P15379 Related reagents</p> <p>Entrez Gene: 12505 Cd44 Related reagents</p> |
| Synonyms | Ly-24 |
| RRID | AB_321716 |
| Fusion Partners | Spleen cells from immunized mice were fused with cells of the mouse P3-NS1-1-Ag4 myeloma cell line. |
| Specificity | <p>Mouse anti Mouse CD44 antibody, clone 5035-41.1D recognizes human CD44, also known as Lymphocyte antigen 24, Extracellular matrix receptor III, GP90 lymphocyte homing/adhesion receptor, HUTCH-I, Phagocytic glycoprotein I (PGP-1), Hermes antigen or Hyaluronate receptor. CD44 is found on >90% bone marrow cells and spleen cells, 56% of thymus cells and 90% of lymph node cells.</p> <p>Mouse anti Mouse CD44 antibody, clone 5035-41.1D recognizes the following strains of mice:- C57BL/6, C57BL/10, C57/L, C58A, AKR, 129, SJL, NZB, C3H, CE, CBA/H.</p> |
| Flow Cytometry | Use 10ul of the suggested working dilution to label 10 ⁶ cells or 100ul whole blood |
| References | <ol style="list-style-type: none"> 1. A, A. <i>et al.</i> (2001) Cell surface-expressed moesin-like receptor regulates T cell interactions with tissue components and binds an adhesion-modulating IL-2 peptide generated by elastase. J Immunol. 166 (5): 3052-60. 2. Qian, K. <i>et al.</i> (2015) Effects of Tanshinone IIA on osteogenic differentiation of mouse bone marrow mesenchymal stem cells. Naunyn Schmiedebergs Arch Pharmacol. 388 (11): 1201-9. |
| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf |

Related Products

Recommended Useful Reagents

[MOUSE SEROBLOCK FcR \(BUF041A\)](#)

[MOUSE SEROBLOCK FcR \(BUF041B\)](#)

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