

Datasheet: MCA2123

BATCH NUMBER 148427

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| Description: | MOUSE ANTI HUMAN CD84 |
| Specificity: | CD84 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | CD84.1.21 |
| Isotype: | IgG1 |
| Quantity: | 0.2 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 | ▪ | | | 1/25 - 1/100 |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | | | ▪ | |
| Immunoprecipitation | ▪ | | | |
| Western Blotting | | | ▪ | |

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

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| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant |
| Buffer Solution | Phosphate buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide |
| Carrier Free | Yes |

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| Approx. Protein Concentrations | IgG concentration 1.0 mg/ml |
| Immunogen | Mouse pre-B cell line 300.19 transfected with CD84 cDNA. |
| External Database Links | <p>UniProt: Q9UIB8 Related reagents</p> <p>Entrez Gene: 8832 CD84 Related reagents</p> |
| Synonyms | SLAMF5 |
| RRID | AB_324419 |
| Fusion Partners | Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS-1 myeloma cell line. |
| Specificity | <p>Mouse anti Human CD84 antibody, clone CD84.1.21 recognizes human SLAM family member 5, also known as CD84, Cell surface antigen MAX.3, Hly9-beta or Signaling lymphocytic activation molecule 5. CD84 is a highly glycosylated cell surface antigen of ~64-82 kDa, predominantly expressed by B lymphocytes, monocytes and macrophages, although lower levels of expression have also been reported on T cells, granulocytes and platelets.</p> <p>Mouse anti Human CD84 antibody, clone CD84.1.21 has been shown to partially block CD84 homophilic binding (Moore et al. 2001).</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"> Romero, X. <i>et al.</i> (2005) CD229 (Ly9) lymphocyte cell surface receptor interacts homophilically through its N-terminal domain and relocalizes to the immunological synapse. J Immunol. 174 (11): 7033-42. Sayós J <i>et al.</i> (2001) Cell surface receptors Ly-9 and CD84 recruit the X-linked lymphoproliferative disease gene product SAP. Blood. 97 (12): 3867-74. Mihalache, C.C. <i>et al.</i> (2011) Inflammation-associated autophagy-related programmed necrotic death of human neutrophils characterized by organelle fusion events. J Immunol. 186: 6532-42. Wang, X. <i>et al.</i> (2016) Neutrophil Necroptosis Is Triggered by Ligation of Adhesion Molecules following GM-CSF Priming. J Immunol. 197 (10): 4090-100. |
| 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. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we</p> |

recommend microcentrifugation before use.

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| Guarantee | 12 months from date of despatch |
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| Health And Safety Information | Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA2123 10040 |
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| Regulatory | For research purposes only |
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Related Products

Recommended Secondary Antibodies

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| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | HRP |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| Goat Anti Mouse IgG (STAR70...) | FITC |
| Goat Anti Mouse IgG (H/L) (STAR117...) | Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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| North & South America | Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com | Worldwide | Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com | Europe | Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com |
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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