

Datasheet: MCA1981T

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|----------------------|---------------------------|
| Description: | MOUSE ANTI HUMAN CD240DCE |
| Specificity: | CD240 |
| Other names: | RHESUS 30 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | BRIC69 |
| Isotype: | IgG1 |
| Quantity: | 25 µg |

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 | ▪ | | | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | | | ▪ | |
| Immunoprecipitation | ▪ | | | |
| Western Blotting | | | ▪ | |

Where this product 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 product for use in their own system using appropriate negative/positive controls.

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|---------------------------------------|---|
| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Preparation | Antibody purified from tissue culture supernatant |
| Buffer Solution | TRIS buffered glycine |
| Preservative Stabilisers | <0.1% sodium azide (NaN ₃) |
| Approx. Protein Concentrations | IgG concentration 1.0mg/ml |

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|--------------------------------------|---|
| Immunogen | Human erythrocytes. |
| External Database Links | <p>UniProt: P18577 Related reagents</p> <p>Entrez Gene: 6006 RHCE Related reagents</p> |
| Synonyms | RHC, RHE |
| RRID | AB_1101607 |
| Specificity | <p>Mouse anti Human CD240 antibody, clone BRIC69 recognizes human CD240, also known as Rh30, RhD and RhCE. Mouse anti Human CD240 antibody, clone BRIC69 recognizes erythrocytes of normal Rh types but does not recognise Rhnull erythrocytes.</p> <p>Mouse anti Human CD240 antibody, clone BRIC69 reacts with 31 kDa and 35-52 kDa proteins which were designated CD240DCE at the 7th leucocyte typing workshop.</p> |
| Flow Cytometry | Use 10µl of the suggested working dilution to label 10 ⁶ cells in 100µl |
| References | <ol style="list-style-type: none"> 1. Mouro-Chanteloup, I. <i>et al.</i> (2002) Cell-surface expression of RhD blood group polypeptide is posttranscriptionally regulated by the RhAG glycoprotein. Blood. 100 (3): 1038-47. 2. Mouro-Chanteloup, I. <i>et al.</i> (2003) Evidence that the red cell skeleton protein 4.2 interacts with the Rh membrane complex member CD47. Blood. 101 (1): 338-44. 3. Noda, G.S. <i>et al.</i> (2020) Specificities and isotypes of erythrocytes autoantibodies in patients with warm autoimmune hemolytic anemia Revista Cubana de Hematología, Inmunología y Hemoterapia. 2020;36(4):e1283 4. Malleret, B. <i>et al.</i> (2021) <i>Plasmodium vivax</i>. binds host CD98hc (SLC3A2) to enter immature red blood cells. Nat Microbiol. 6 (8): 991-9. 5. Bell, A.J. <i>et al.</i> (2013) Protein distribution during human erythroblast enucleation <i>in vitro</i>. PLoS One. 8 (4): e60300. |
| Storage | <p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p> |
| Guarantee | 12 months from date of despatch |
| Health And Safety Information | Material Safety Datasheet documentation #10072 available at: https://www.bio-rad-antibodies.com/SDS/MCA1981T 10072 |

Related Products

Recommended Secondary Antibodies

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|---|---|
| Goat Anti Mouse IgG (STAR77...) | HRP |
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Goat Anti Mouse IgG (STAR70...) | FITC |
| Goat Anti Mouse IgG IgA IgM (STAR87...) | Alk. Phos. , HRP |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |
| Goat Anti Mouse IgG (STAR76...) | RPE |
| 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 (STAR13...) | HRP |
| Goat Anti Mouse IgG (Fc) (STAR120...) | FITC , HRP |

Recommended Negative Controls

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

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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

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