

Datasheet: MCA1987

BATCH NUMBER 153633

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|----------------------|------------------------|
| Description: | MOUSE ANTI HUMAN CD238 |
| Specificity: | CD238 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | BRIC203 |
| 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 | ▪ | | | |
| Immunohistology - Frozen | | | ▪ | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | | | ▪ | |
| Immunoprecipitation | ▪ | | | |
| Western Blotting | | | ▪ | |
| Haemagglutination | ▪ | | | |

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.

| | |
|---------------------------------|---|
| Target Species | Human |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant |
| Buffer Solution | TRIS buffered saline |
| Preservative Stabilisers | 0.09% Sodium Azide (NaN ₃) ≤100mM Glycine |
| Approx. Protein | IgG concentration 1.0mg/ml |

Concentrations

Immunogen Human erythrocytes.

External Database Links

UniProt:

[P23276](#) [Related reagents](#)

Entrez Gene:

[3792](#) KEL [Related reagents](#)

RRID AB_2132640

Fusion Partners Spleen cells from immunised Balb/c were fused with cells of a myeloma cell line.

Specificity

Mouse anti Human CD238 antibody, clone BRIC203 recognizes human CD238, also known as the kell blood group antigen Kpbc. The kell blood group antigens are carried on the ~93 kDa erythrocyte membrane glycoprotein.

In hemagglutination tests, Mouse anti Human CD238 antibody, clone BRIC203 reacts with Kp (a-b+) but not Kp (a+b-). In addition Mouse anti Human CD238 antibody, clone BRIC203 will agglutinate Kp (a+b-c+) and Kp (a-b-c+) erythrocytes but not react with Ko erythrocytes.

Weaker staining in flow cytometry is observed on erythroblasts derived from CD34+ hematopoietic progenitor cells, compared to Kp (a-b+) red blood cells.

Flow Cytometry Use 10ul of the suggested working dilution to label 10⁶ cells in 100ul.

References

1. Parsons, S.F. *et al.* (1993) Monoclonal antibodies against Kell glycoprotein: serology, immunochemistry and quantification of antigen sites. [Transfus Med. 3 \(2\): 137-42.](#)
 2. Van Der Schoot. *et al.* (2002) CD238 - Kell. Leucocyte Typing VII pp 584-5.
 3. Miyazak, T. *et al.* (2002) Serological analyses of anti-kell monoclonal antibodies using MAIEA assay. Leucocyte Typing VII pp 585-8.
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Storage Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

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 recommend microcentrifugation before use.

Guarantee 12 months from date of despatch

Health And Safety Information

Material Safety Datasheet documentation #10511 available at: <https://www.bio-rad-antibodies.com/SDS/MCA1987>
10511

Related Products

Recommended Secondary Antibodies

| | |
|---|---|
| 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 \(MCA928\)](#)

| | | | | | |
|----------------------------------|---|------------------|---|---------------|---|
| 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
'M366049:200529'

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