

Datasheet: MCA1987

BATCH NUMBER 167237

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 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.

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	<0.1% sodium azide (NaN ₃) ≤100mM glycine

Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Human erythrocytes.
External Database Links	<p>UniProt: P23276 Related reagents</p> <p>Entrez Gene: 3792 KEL Related reagents</p>
RRID	AB_2132640
Fusion Partners	Spleen cells from immunized Balb/c were fused with cells of a myeloma cell line.
Specificity	<p>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.</p> <p>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.</p> <p>Weaker staining in flow cytometry is observed on erythroblasts derived from CD34+ hematopoietic progenitor cells, compared to Kp (a-b+) red blood cells.</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. Petty, A.C. <i>et al.</i> (1994) Application of the MAIEA assay to the Kell blood group system. Vox Sang. 66 (3): 216-24. 2. Reid, M.E. <i>et al.</i> (1995) K12 is located on the Kell blood group protein in proximity to K/k and Jsa/Jsb. Vox Sang. 68 (1): 40-5. 3. Jongerius, J.M. <i>et al.</i> (1996) A new low-incidence antigen in the Kell blood group system: VLAN (KEL25). Vox Sang. 71 (1): 43-7. 4. Van Der Schoot. <i>et al.</i> (2002) CD238 - Kell. Leucocyte Typing VII pp 584-5. 5. Miyazak, T. <i>et al.</i> (2002) Serological analyses of anti-kell monoclonal antibodies using MAIEA assay. Leucocyte Typing VII pp 585-8.
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 #10511 available at:
<https://www.bio-rad-antibodies.com/SDS/MCA198710511>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [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](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Goat Anti Mouse IgG (STAR77...) [HRP](#)
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)

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](https://www.bio-rad-antibodies.com/datasheets)
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