

Datasheet: MCA1987

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	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Human erythrocytes.
External Database Links	UniProt: P23276 Related reagents

Entrez Gene:

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

Fusion Partners	Spleen cells from immunised Balb/c were fused with cells of a myeloma cell line.
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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>
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Flow Cytometry	Use 10ul of the suggested working dilution to label 10 ⁶ cells in 100ul.
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References	<ol style="list-style-type: none">1. Parsons, S.F. <i>et al.</i> (1993) Monoclonal antibodies against Kell glycoprotein: serology, immunochemistry and quantification of antigen sites. Transfus Med. 3 (2): 137-42.2. Van Der Schoot. <i>et al.</i> (2002) CD238 - Kell. Leucocyte Typing VII pp 584-5.3. Miyazak, T. <i>et al.</i> (2002) Serological analyses of anti-kell monoclonal antibodies using MAIEA assay. Leucocyte Typing VII pp 585-8.
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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 recommend microcentrifugation before use.</p>
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Shelf Life	18 months from date of despatch.
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Health And Safety Information	<p>Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10040 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</p>
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@549 , DyLight@649 , DyLight@680 , DyLight@800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP

Rabbit Anti Mouse IgG (STAR12...) [RPE](#)
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)
Rabbit Anti Mouse IgG (STAR8...) [DyLight®800](#)
Goat Anti Mouse IgG (STAR70...) [FITC](#)
Human Anti Mouse IgG1 (HCA036...) [HRP](#)
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)

Recommended Negative Controls

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

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