Datasheet: MCA1982

Description:	MOUSE ANTI HUMAN CD239
Specificity:	CD239
Other names:	B-CAM
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	BRIC221
Isotype:	IgG2b
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 (1)	▪			
Immunofluorescence	▪			

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.

(1)**Non-reducing conditions required**

Target Species	Human
Species Cross Reactivity	Reacts with: Pig **N.B.** Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
Buffer Solution	TRIS buffered glycine
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml

Immunogen	Human erythrocytes.
External Database Links	**UniProt:** P50895 Related reagents **Entrez Gene:** 4059 BCAM Related reagents
Synonyms	LU, MSK19
Specificity	**Mouse anti Human CD239 antibody, clone BRIC221** recognizes human CD239, also known as Lutheran antigen or basal cell aghesion molecule.CD239 is a 597 amino acid, ~85 kDa single pass type I membrane glycoprotein. Clone BRIC221 recognizes a monomorphic determinant expresses on both the 85 and 78 kDa Lutheran (Lu) glycoforms (El Nemer *et al.* 1998). BRIC 221 recognizes an epitope in the fourth extracellular domain of Lu glycoprotein (Parsons *et al.* 1997). Lutheran glycoprotein is a member of the immunoglobulin superfamily and was designated CD239 (B-CAM) at the 7th leucocyte typing workshop. CD239 is expressed by erythrocytes in the peripheral blood.
Flow Cytometry	Use 10ul of the suggested working dilution to label 10^6 cells in 100ul.

References

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18. Kikkawa, Y. *et al.* (2007) The LG1-3 tandem of laminin alpha5 harbors the binding sites of Lutheran/basal cell adhesion molecule and alpha3beta1/alpha6beta1 integrins. J Biol Chem. 282 (20): 14853-60.
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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.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10072 available at: 10072: https://www.bio-rad-antibodies.com/uploads/MSDS/10072.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., 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
Rabbit Anti Mouse IgG (STAR13...)	HRP
Human Anti Mouse IgG2b (HCA038...)	FITC, HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP

Recommended Negative Controls

MOUSE IgG2b NEGATIVE CONTROL (MCA691)

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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