

Datasheet: MCA1981T

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 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
Buffer Solution	TRIS buffered glycine
Preservative Stabilisers	<0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Human erythrocytes.

**External Database
Links**

UniProt:

[P18577](#) [Related reagents](#)

Entrez Gene:

[6006](#) RHCE [Related reagents](#)

Synonyms

RHC, RHE

RRID

AB_1101607

Specificity

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.

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.

Flow Cytometry

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

References

1. Mouro-Chanteloup, I. *et al.* (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. *et al.* (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. *et al.* (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. *et al.* (2021) *Plasmodium vivax*. binds host CD98hc (SLC3A2) to enter immature red blood cells. [Nat Microbiol. 6 \(8\): 991-9.](#)

Storage

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee

12 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 (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
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 (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , 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
'M389360:210806'

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